



Warren Woods Public Schools

INVITATION FOR BIDS DISTRICT-WIDE ENERGY CONSERVATION PROJECTS

PROJECT: Energy Conservation Projects at Warren Woods Tower High School, Hawthorn Center, Briarwood Elementary and Pinewood Elementary

OWNER: Warren Woods Public Schools
27100 Schoenherr
Warren, Michigan 48088

CONTACT: Jamie Stottlemeyer
Director of Facilities and Transportation
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Fax: 586.445.4823
Cell: 586.405.0221

I. Introduction. Warren Woods Public Schools is seeking bids for energy conservation improvements at four of its facilities: 1) Warren Woods Tower High School, 2) Hawthorn Education Complex, 3) Briarwood Elementary, and 4) Pinewood Elementary. Energy conservation improvements may include, but are not limited to, building envelope improvements; heating and cooling upgrades; lighting retrofits; installing or upgrading an energy management system; motor, pump, or fan replacements; domestic water use reductions; and upgrading other energy consuming equipment or appliances.

II. Bid Requirements. Bids must include:

- a. A detailed breakdown of the energy performance savings to be derived each year and for the duration of the energy saving performance contract, including at least all of the following:
 - (i) A description of the guaranteed energy use savings and tasks to be performed under the energy saving performance contract.
 - (ii) The combined total net cost of all of the energy conservation measures in the project.
 - (iii) The projected energy savings and operating and maintenance cost savings resulting from the project.
 - (iv) The useful life of each energy conservation measure.
 - (v) The simple payback period using the form attached.
- b. A one-year warranty period for all materials and equipment installed. This warranty shall be in addition to manufacturers' standard, and extended warranties.
- c. Maintenance and training services to ensure the success of the program. Training materials shall also be provided in video format for subsequent use by the School

District, or the successful bidder shall permit the School District to videotape the training sessions for the School District's subsequent use.

d. i) A written guarantee of the annual energy savings. The Bidder shall include as part of its proposal, a written guarantee of energy savings for a minimum period of ten years. If, at the end of any guarantee year during the guarantee period, the annual energy audit proves the improvements have failed to achieve the annual projected energy savings, the Bidder will pay the school district the difference between the annual amount guaranteed and the actual energy savings. This guarantee will assure the school district that the projected savings will be achieved each year. The Bidder shall include a completed copy of its written energy guarantee contract, which shall be in form and substance acceptable to the School District and consistent with the terms of this Invitation for Bids.

ii) The Bidder shall also provide the cost proposal without a guarantee, so the award may be made by the School District either with or without the guarantee.

e. An annual energy audit. The annual savings will be verified by an annual energy audit. An annual audit shall be provided for each meter affected by the proposed energy conservation improvements, and will provide continuous measurement of the whole-facility energy use after the project is completed. The audit must be consistent with accepted engineering practices, i.e., consideration for weather adjustment, utility billing periods, and rate structures.

f. The Bidder shall include all costs to implement a turnkey project, including design, permits, plan approval, engineering, installation, required inspections and project management.

g. The Bidder must certify that measurement and verification techniques for determining cost savings will be performed in accordance with the protocols published in January 2001 by the International Performance Measurement and Verification Protocol, Inc.

h. Bids shall include detailed engineering calculations for the proposed energy savings. Proposals shall also include a whole-facility (or main-meter) baseline model for the above mentioned facilities.

i. A complete description of the firm submitting the bid, which shall include the names, resumes, and experience of the personnel to be assigned to this project. It shall also include a reference list of guaranteed energy performance improvement contracts with other school districts in Michigan with the name and contract information of such school districts. The School District at its discretion may require detailed financial information from any bidder, which shall be promptly provided.

j. Every bid shall include a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the bidder and any member of the school board or the superintendent. The sworn and notarized statement shall be in the form of Affidavit of Bidder attached to this Invitation to Bid. The school district will not accept a bid that does not include this sworn and notarized disclosure statement.

k. Bids shall include all costs for the proper removal of asbestos and other material injurious to health as may be required to accommodate the bidder's work. The successful bidder will be required to submit to the School District an abatement plan prior to the commencement of any abatement work for review by the School District's hazardous materials consultant, including any subcontractors who are proposed to be involved in the abatement. No abatement work shall commence until the School District approves the abatement plan and subcontractor, if applicable. The successful bidder will also be required to submit to the School District an abatement report after completion of the abatement work.

Notes to Bidders:

(i) Bids will only be accepted from Qualified Providers with a licensed engineer on staff. A Qualified Provider is defined in the Michigan Revised School Code, MCLA 380.1274a(9)(b) as an individual or a business entity that is experienced in performing design, analysis, and installation of energy conservation improvements and facility energy management measures and that will provide the services under a contract with a guarantee or on a performance basis.

(ii) The School District will issue bonds to finance the energy conservation improvements. Bidders must separately state the capital costs for the work, e.g., labor and materials for construction and installation, from on-going training, maintenance, monitoring, and other non-capital costs.

III. Specific project components which the School District would like evaluated for energy conservation.

**a. Warren Woods Tower
High School**

Work period	Project component
Project a.1 – Summer 2007	Replace Steam Boilers & Heat Exchanger Replace Domestic Hot Water System Replace Pool Water Heating System Replace Steam Absorber and Cooling Tower Replace Hydronic Pumps Frequency Drives for Hydronic Pumps
Project a.2 – Summer 2007	Replace Skylight System (Remove Portions?) Evaluate Replacement of Building Lighting and Ceilings
Project a.3 – Summer 2007	Exterior Window and Door Replacement
Project a.4 – Summer 2008	Renovate / Refurbish / Replace AHU's & RTU's Evaluate Adding Heating Coils to AHU's & RTU's/Delete Fin Tube Frequency Drives for AHU's & RTU's Evaluate Upgrades to Existing HVAC Controls

b. Hawthorn Complex

Project b.1 – Summer 2007	Evaluate Need for Replacement of Boilers and Pumps
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	Evaluate Upgrades to Existing HVAC Controls Frequency Drives for Pumps
Project b.2 – Summer 2007	Building Lighting and Ceilings
Project b.3 – Summer 2007	Exterior Window and Door Replacement
Project b.4 – Summer 2007	Roof Renovation or Replacement

c. Briarwood Elementary

Project c.1 – Summer 2007	Evaluate Need for Replacement of Boiler and Pumps Frequency Drives for Pumps
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d. Pinewood Elementary

Project d.1 – Summer 2007	Evaluate Need for Replacement of Boilers and Pumps Frequency Drives for Pumps Classroom VUV Replacement Replacement of Building Lighting and Ceilings
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e. Other projects as recommended by bidders (Prioritized by projected energy savings.)

IV. Description of facilities and past energy consumption.

a. Hours and times of operation – Warren Woods Public Schools is in session from September 5, 2006 thru June 14, 2007. Woods Tower High School holds classes from 7:30 AM until 2:20 PM daily with various after-school activities. Hawthorn Complex houses a daycare center that typically operates from approximately 6:00 AM until 6:00 PM daily. Briarwood Elementary and Pinewood Elementary hold classes from 8:50 AM until 3:40 PM daily.

b. Historical billing information - See attached three-year gas and electric utility data. Note: Warren Woods Public Schools is currently undertaking additions and renovations to all buildings under a \$47 M construction bond. Upgrades to Briarwood were completed in March 2006. Upgrades to Pinewood Elementary and Hawthorn Complex will be completed by February 2007. Upgrades to Woods-Tower High School will be completed by August 2007. These improvements have and will affect our building energy use. A complete set of construction documents and installation dates will be made available to all bidders for analysis of impacts to energy loads.

c. Work being performed by other contractors – All building improvements, relating to Warren Woods Public School's \$47M construction bond, will be finished prior to commencing this proposed District-Wide Energy Conservation Project with the exception of work at Woods-Tower High School. Work planned for summer 2007 includes but is

not limited to renovation of science rooms, pool, main office, library, gang toilets and locker rooms. Additionally, new lockers and gymnasium bleachers will be installed. A complete set of construction documents and work schedules will be made available to all bidders for coordination.

V. Bid schedule.

- a. Invitation to Bid issued. 12/14/06
- b. Mandatory bidders conference – see below 12/28/06
- c. Deadline for submission of bids – see below 1/29/07
- d. Award of contract 2/12/07
- e. Periods facilities will be available for construction activities:

- 1. For 2007 projects, June 15, 2007 until August 24, 2007.
- 2. For 2008 projects, June 13, 2008 until August 22, 2008.

e. Substantial completion by:

- 1. For 2007 projects, August 24, 2007
- 2. For 2008 project, August 22, 2008.

VI. Mandatory bidders conference. The School District will hold a mandatory bidder's conference on December 28, 2006 at 8:00 AM, at Warren Woods Tower High School located at 27900 Bunert Rd, Warren, MI 48088. Bidders are to meet in the main lobby on the east side of the building.

VII. Site visits. The School District will schedule site visits upon request. Bidders should contact the Director of Facilities and Transportation, Jamie Stottlemeyer, at 586.439.4975 to arrange for site visits.

VIII. Bid evaluation and award. The School District reserves the right to reject any and all proposals, to waive any minor informality or irregularity in any bid, to negotiate with any and all bidders, and to award the bid by item or items, group, facility, in total, or in any other manner which it deems to be in its best interest, including accepting a bid which is not the lowest bid. The school district reserves the right to interview any and all bidders.

IX. Submission of bids. Bidders shall submit an original and two copies of their bid to the Warren Woods Public Schools Business Department located at 27100 Schoenherr Rd. Warren, MI 48088, 2nd floor, no later than 1:00 PM, on January 29, 2007, at which time the Director of Facilities and Transportation will publicly open and read aloud each bid submitted. Late bids will not be considered or accepted. Bids shall remain valid for 90 days from the date of submission.

X. Bonds.

- a. Bid security in an amount not less than 1/20 of the amount of the bid conditioned to secure the School District from loss or damage by reason of the withdrawal of the bid or by the failure of the bidder to enter a contract for performance, if the bid is accepted by the School District. Security may be certified check, bank draft, irrevocable bank letter or credit or surety bond.
- b. Bid bonds from all bidders will be held until award of contract and execution of the required contract.
- c. All Bidders must be bondable and shall include in their bid sum the cost for furnishing Labor and Material Payment Bond and Performance Bond each in the penal amount of 100% of the proposal sum. Bonds shall name Warren Woods Public Schools as obligee.

XI. Additional information. Request for additional information regarding this Invitation to Bid should be addressed to Director of Facilities and Transportation, Jamie Stottlemeyer, at 586.439.4975, or e-mail to: jstottlemeyer@waw.misd.net.

XII. Bids subject to Freedom of Information Act. Bidders are advised that after the date for the receipt of bids all information submitted with their bid will be subject to disclosure under the Michigan Freedom of Information Act.

XIII. Cost of bid preparation. Bidders are advised that any and all costs to prepare their bid, including any site visits and engineering analysis, are solely the bidder's responsibility and will not be reimbursed by the School District.

XIV. Bidder selected must coordinate work with other contractors. The bidder selected must coordinate its work with the work of other contractors providing renovations to the facilities under different contracts, see IVc above. The School District shall not be responsible for or liable to the bidder selected and the bidder selected releases the School District from and waives any and all costs, expenses, or damages resulting from interference, interruptions or delays caused by any other contractors.

XV. Contract terms and provisions.

a. Bids must be signed with the Bidder's name and by a responsible officer or employee. Obligations assumed by such signature are binding upon the Bidder.

b. In the execution of the Contract, it may be necessary for the Bidder to subcontract a portion of the Work to others. The Bidder shall be fully responsible to the School District for the acts and omissions of subcontractors and of persons, whether directly or indirectly employed by the firm. Nothing in the Contract shall create any contractual relationship between any subcontractor and the School District. The Bidder shall not assign, transfer, convey, or otherwise dispose of the Contract, or any part thereof, or the firm's right title, or interest in the same, or any part thereof, without previous written consent of the School District.

c. Prices for materials are to be F.O.B. job site delivered and/or installed and are to be firm for 90 days from date of bid opening. No charges for shipping, packing, drayage, or for any other purpose will be allowed over the price quoted in the bid.

d. Each bid submitted shall include and the successful Bidder will be required to pay all taxes which are levied by Federal, State or Municipal Governments upon labor, and for material entering into the work. The School District reserves the right to require evidence of payment of such taxes prior to final payment.

e. The Bidder must provide a detailed project completion schedule.

f. Prior to signing a Contract, of which these conditions shall be part, the Bidder shall furnish performance bonds and labor and material payment bonds in such form as the School District shall require, securing the faithful performance of such contracts and payment of all obligations arising thereunder. Such bonds must be for the full amount of the contract with a surety company in good standing and licensed to do business in the State of Michigan. The Bidder shall include in its bid cost of furnishing such bonds

g. As a condition of accepting this contract, the Bidder and Subcontractors agree not to discriminate against any individual with respect to hire, discharge, compensation, terms, conditions or privileges of employment, or segregation of facilities because of such individual's race, color, religion, sex, age, handicap or national origin.

h. Bidder will comply with Federal, State, Municipal laws, rules and regulations in the performance of the work and in the employment of persons, and shall obtain all necessary licenses and permits and pay all fees, taxes and other charges required thereby, and furnish, upon School Districts request, evidence of compliance with any law and the payment of any fee, tax or charge. Bidder will defend, indemnify and hold harmless School District against any and all claims, charges, liens, garnishments and levies arising out of Bidders failure to comply as required by this paragraph.

i. Bidder shall keep the premises and the work which this Contract relates free and clear of all claims and mechanic liens, and will promptly pay for all labor (including social security contributions and fringe benefits), material and services used in connection with this contract. Bidder shall furnish School District such certificates of payment, waivers of claims (including claims against any payment bond), waivers of mechanics liens, releases and sworn statements in form satisfactory to the School District when submitting request for payment for work completed.

j. To the fullest extent permitted by law, the Bidder shall defend, indemnify and hold harmless the School District and its agents, employees, officers and successors from and against any and all liabilities, claims, causes of action or lawsuits seeking damages on account of personal injury or death to any person, including employees of the Bidder, or property damage, including claims for loss of use which arise out of performance of the contract by the Bidder. The Bidders defense, indemnity, and holdharmless obligation shall include:

1. Indemnify even if damages sought were caused in part by the negligence or fault of School District or any of its employees, agents or officers.

2. Indemnify for all damages and judgment interest, all costs and fees, including attorney's fees, relating to or arising out of any claim, cause of action or lawsuit requiring indemnity by the Bidder.
3. All expenses incurred in securing indemnity from the Bidder if the Bidder wrongly refuses to fulfill any of the indemnity obligations assumed under this contract.
4. The Bidder's obligation to indemnify shall not include any obligation to indemnify which is prohibited by Michigan MCLA 691.991 or other comparable state law. The School District, at its option, may select counsel to defend any claim, cause of action or lawsuit brought against it without impairing any obligation to indemnify imposed upon the Bidder thereunder. The obligation of Bidder to defend, indemnify, and hold harmless the School District shall survive and continue after final payment, acceptance of the work, and termination of the Contract.

k. Bidder will keep in force during the Contract policies of insurance covering Workers' Compensation and Employers Liability, Automobile Liability and Commercial General Liability, with minimum limits as provided below or as modified by the Contract Documents, if any, or satisfactory to School District with an insurance company in good standing licensed to operate in the State of Michigan. Bidder will advise its insurer of its obligations and will obtain a contractual coverage endorsement to its property damages and personal injury insurance sufficient to discharge its obligations herein set forth. Bidder will furnish before any work is started certificates from said insurance companies showing the limits and expiration dates.

Insurance requirements are as follows:

- A. Insurance Coverages
 1. Worker's Compensation and Employer Liability Insurance covering your statutory obligations in the State.
 2. Automobile liability insurance with the limit of \$1,000,000 per accident covering your owned, non-owned and hired automobiles.
 3. Commercial general liability insurance written on an occurrence basis that includes coverage's for operations, personal injury, XCU (explosion, collapse and underground), independent Contractors contractual, contractual liability, and products-completed operations with limits of liability as follows:
 - \$1,000,000 Occurrence
 - \$2,000,000 General Aggregate
 - \$2,000,000 Products-Completed Operations Aggregate
 - \$1,000,000 Property Damage
 - \$5,000,000 Umbrella/excess
 4. Products-completed operations liability must be maintained for not less than one year after acceptance of completion of work.
- B. OTHER REQUIREMENTS:
 1. Evidence of insurance coverages, required herein, is to be provided on ACCORD Certificate 26 or 25-S and must indicate:
 - a) That the Commercial Liability insurance policy includes coverage for items specified in A.3 above.
 - b) AM Best's rating for each of insurance carrier of A+ or better.
 - c) That the issuing insurance company will provide thirty (30) days written notice of cancellation to the certificate holder and the words "endeavor to" and "but failure to mail such notice shall impose no

obligation or liability of any kind upon the company, its agents or representatives” do not apply or have been removed.

d) That School District its public officials, officers, employees, and agents are additional insureds on the General Liability policy certificate.

e) Any deviations in coverage provided by the Standard 1986 ISO General Liability policy form, and:

f) Any deductible over \$2,500 applicable to any coverage.

2. General liability and auto liability limits may be attained by individual policies or by a combination of underlying policies with umbrella and/or excess liability policies.

3. The Bidder waives subrogation rights against the School District for property damage covered by valid and collectible property insurance, and will include this same requirement in contracts with its subcontractors and suppliers. If the policies of insurance referred to in this paragraph require an endorsement to provide for continued coverage where there is a waiver of subrogation, the School District will cause them to be so endorsed.

4. Bidder will provide contractor’s equipment floater coverage and agrees it and its insurance carriers will waive subrogation against School District for claims paid by such insurance.

1. The Bidder shall notify the School District of the names and addresses of all subcontractors to be employed on the project. Bidder agrees that School District has the right to approve or disapprove subcontractors performing work for the successful Bidder on School District’s property.

m. Bidder will (i) implement for the work a comprehensive, meaningful and effective safety program designed to encourage safe work habits and practices and reduce the occurrences of accidents and injuries, and (ii) require all subcontractors and suppliers on the work to adhere to Bidder’s safety program. The safety program shall meet all federal, state, and local laws, ordinances, codes, rules and regulations.

n. Bidder shall comply with all requirements of any State or Federal Right to Know Law, especially: (1) Bidder shall provide School District with a copy of all Material Safety Data Sheets (MSDS) for each hazardous chemical, and have a copy of same available for employees; (2) shall provide required training of its employees; (3) submit a copy of its written Hazard Communication Program to School District, and (4) properly label all containers of hazardous chemicals that are brought on the job site or used in the performance of this contract. Failure to comply with the foregoing requirements will be considered a material breach of contract.

o. The Bidder is responsible for reviewing the Material Safety Data Sheets (MSDS) at the project building locations to insure that any employees assigned to perform work at said sites are aware of the location(s) of hazardous material(s) and the appropriate MSDS.

p. For all work involving possible personnel exposure to asbestos-containing materials (ACM), all persons employed by the Bidder or subcontractor to work on said project(s) must have received appropriate training in accordance with OSHA and MDPH regulations and any other applicable regulations. The Bidder will insure that said employees will have reviewed the School District’s asbestos management plan to insure that ACM are not disturbed during

work activities, If ACM must be disturbed during activities, the Bidder must notify Jamie Stottlemeyer prior to the start of work.

q. Bidder shall be responsible for the layout and correctness of its work. If Bidder shall (a) fail to correct, replace and re-execute faulty or defective work and/or materials furnished under this contract, (b) fail to complete or diligently proceed with this contract within the time period herein provided, (c) fail to correct or repair any damage to work caused by its failure to protect its work, or (d) be unable to proceed with the work because of any action by one or more employees of Bidder or by a person or labor organization purporting or attempting to represent any employee of Bidder, the School District may consider a material breach has occurred, and upon three (3) days notice to Bidder, shall have the right but not the duty, to correct, replace and/or re-execute such faulty, defective or damaged work or to take over its contract with all materials, tools and appliances of Bidder on the premises, and to complete the contract, charging the cost, including but not limited to, any and all legal fees and costs, to monitor the work thereof to Bidder. Under such circumstances, School District shall also have the right to withhold any and all payments to Bidder until all such cost charges have been paid in full to School District. Further, if Bidder shall fail to complete its work on time, resulting in loss or damage to School District, School District shall be entitled to recover any damages caused by Bidder's breach. The remedies of School District provided by law, by this paragraph and by the contract documents shall be cumulative.

r. The School District will continue to occupy the buildings and site during the normal school year. Any work not completed during the summer recess shall, with the prior approval of the School District, be performed between 4:00 p.m. and 11:00 p.m. after regular school hours, on weekends, on scheduled holidays, or as arranged and approved by the School District during regular school hours. Bidder will perform its work so as not to interfere with the School District's use of its facilities, including but not limited to controlling and managing noise levels, safety, dirt, dust, debris, convenient access, etc.

s. Bidder will, at all times, keep the job clean of all debris and rubbish resulting from its operations, and upon completion of its work will promptly remove all tools, equipment and excess material and any rubbish caused by its work and personnel. Bidder will protect all its material and work from hazards and be fully responsible for their condition until accepted by the School District, and shall also be responsible for any damage caused by it to the work or property of others, including but not limited to, the property of the School District. Bidder will reimburse School District for any expenses incurred to keep the job clean and clear of all debris and rubbish resulting from Bidder's failure to comply with this paragraph.

t. Bidder shall not use or permit any of their employees to use any equipment, hoists, staging, scaffolds, or any other material belonging to the School District without prior written agreement.

u. Bidder shall perform its responsibilities and provide services in a prompt manner and with that degree of care and skill normally exercised by a Bidder of recognized experience and expertise specializing in energy conservation improvement projects for public school facilities.

v. Bidder shall be responsible for the good and workmanlike performance of all work on the Project, that no work is defective, and that all work has been performed in

accordance with the Contract Documents, including the plans, drawings, specifications and conditions and is completed on schedule.

w. Time is of the essence of this Contract.

x. A ten percent (10%) retention will be held on all progress payments made until fifty percent (50%) of the work is completed and approved by Owner. Thereafter, no additional retention will be held except to adjust the retention to change orders, or if the Bidder is not making satisfactory progress on the work, or for unsatisfactory or defective work.

y. In performing its duties, Bidder shall at all times act in the capacity of an independent contractor and not as agent of Owner.

z. No claims for extra compensation or adjustments in the contract price will be made by the Bidder on account of any delay, costs incurred as a result of variations within the as-planned schedule, or the failure of others to complete any of the work as scheduled. Bidder agrees that its only remedy for any delay is an extension of the contract time, and only if an extension is justified.

NO BID SHALL BE ACCEPTED WHICH HAS NOT BEEN MANUALLY SIGNED IN INK IN THE APPROPRIATE SPACE BELOW:

If you are an INDIVIDUAL, sign here:

(Name)

(Doing Business As)

If you are a PARTNERSHIP, sign here:

(Partnership Name)

By: _____
(Member of the Firm)

If you are a CORPORATION, the duly authorized officer(s) must sign as follows:

The UNDERSIGNED, by execution of this form, certify that (he/they) (is/are) respectively _____ and _____ of the CORPORATION named below; that (he/they) (is/are) authorized to execute same for and on behalf of the Corporation.

Dated: _____
(Corporation Name)

By: _____

(Title)

By: _____
(Title)

AFFIDAVIT OF BIDDER

The undersigned, the owner or authorized agent of _____ (the bidder) pursuant to the familial disclosure requirement provided in PA 232 Sec. 1267 of the Revised School Code, hereby represents and warrants, except as provided below, that no familial relationship exists between the owner(s) or any employees of:

_____ and any member of the Board of Education of the School District or the Superintendent of Warren Woods Public Schools.

List and Describe Any Familial Relationships:

Signature of Bidder: _____

Printed Name: _____

Date: _____

Notary: _____

STATE OF MICHIGAN

COUNTY OF _____

Subscribed and sworn to before me on the _____ day of _____
2006, by _____

SIMPLE PAYBACK PERIOD CALCULATION FORM

Improvement Cost	Annual Electrical Savings	Annual Gas Savings	Annual Operations Savings	Total Annual Savings
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Warren Woods Tower High School

- Replace steam boilers & heat exchanger
- Replace domestic hot water system
- Replace pool water heating system
- Replace steam absorber and cooling tower
- Replace Hydronic pumps
- Frequency drives for hydronic pumps
- Replace skylight system (remove portions?)
- Evaluate replacement of building lighting and ceilings
- Exterior window and door replacement
- Renovate/refurbish/replace AHU's and RTU's
- Evaluate adding heating coils to AHU's and RTU's/delete fin tube
- Frequency drives for AHU's and RTU's
- Evaluate upgrades to existing HVAC controls

Hawthorn Complex

- Evaluate need for replacement of boilers and pumps
- Evaluate upgrades to existing HVAC controls
- Frequency drives for pumps
- Building lighting and ceilings
- Exterior window and door replacement
- Roof renovation or replacement

Briarwood Elementary

- Evaluate need for replacement of boiler and pumps
- Frequency drives for pumps

Pinewood Elementary

- Evaluate need for replacement of boilers and pumps
- Frequency drives for pumps
- Classroom VUV replacement
- Replacement of building lighting and ceilings

TOTALS:

Month	Facility Name	Facility Address	Utility Acct #	Start Date	End Date	Total Usage(kwh)
Jan-2004						
	Admin Service Center	27100 Schoenherr	00015498	1/5/2004	2/2/2004	17,072
	Westwood	11999 Martin Rd.	00016018	1/13/2004	2/10/2004	27,792
	Briarwood	14100 Leisure	00015500	1/13/2004	2/10/2004	26,136
	Hawthorne	12900 Frazho	00015981	1/5/2004	2/2/2004	75,320
	Tower High School	27900 Bunert	00009200	1/7/2004	2/4/2004	239,890
	Pinewood	14411 Bade	00015502	1/13/2004	2/10/2004	33,376
	Enterprise H.S.	28600 Suburban Dr.	00015865	1/13/2004	2/10/2004	12,152
	Garage	14846 Martin Rd.	00015501	1/13/2004	2/12/2004	10,680
	Middle School	13400 E 12 Mile Rd.	00015861	1/13/2004	2/10/2004	137,040
Feb-2004						
	Admin Service Center	27100 Schoenherr	00015498	2/3/2004	3/1/2004	15,232
	Westwood	11999 Martin Rd.	00016018	2/11/2004	3/10/2004	24,432
	Briarwood	14100 Leisure	00015500	2/11/2004	3/10/2004	23,296
	Hawthorne	12900 Frazho	00015981	2/3/2004	3/1/2004	68,720
	Tower High School	27900 Bunert	00009200	2/5/2004	3/3/2004	214,130
	Pinewood	14411 Bade	00015502	2/11/2004	3/10/2004	27,504
	Enterprise H.S.	28600 Suburban Dr.	00015865	2/11/2004	3/10/2004	10,648
	Garage	14846 Martin Rd.	00015501	2/11/2004	3/12/2004	10,800
	Middle School	13400 E 12 Mile Rd.	00015861	2/11/2004	3/10/2004	120,768
Mar-2004						
	Admin Service Center	27100 Schoenherr	00015498	3/2/2004	4/1/2004	19,288
	Westwood	11999 Martin Rd.	00016018	3/11/2004	4/12/2004	28,528
	Briarwood	14100 Leisure	00015500	3/11/2004	4/12/2004	27,368
	Hawthorne	12900 Frazho	00015981	3/2/2004	4/1/2004	86,520
	Tower High School	27900 Bunert	00009200	3/4/2004	4/5/2004	270,760
	Pinewood	14411 Bade	00015502	3/11/2004	4/12/2004	33,200
	Enterprise H.S.	28600 Suburban Dr.	00015865	3/11/2004	4/12/2004	12,424
	Garage	14846 Martin Rd.	00015501	3/13/2004	4/10/2004	8,720
	Middle School	13400 E 12 Mile Rd.	00015861	3/11/2004	4/12/2004	140,608
Apr-2004						
	Admin Service Center	27100 Schoenherr	00015498	4/2/2004	5/3/2004	18,040
	Westwood	11999 Martin Rd.	00016018	4/13/2004	5/11/2004	21,352
	Briarwood	14100 Leisure	00015500	4/13/2004	5/11/2004	21,912
	Hawthorne	12900 Frazho	00015981	4/3/2004	5/3/2004	73,920
	Tower High School	27900 Bunert	00009200	4/6/2004	5/5/2004	216,370
	Pinewood	14411 Bade	00015502	4/13/2004	5/11/2004	28,816
	Enterprise H.S.	28600 Suburban Dr.	00015865	4/13/2004	5/11/2004	10,000
	Garage	14846 Martin Rd.	00015501	4/11/2004	5/12/2004	13,440
	Middle School	13400 E 12 Mile Rd.	00015861	4/13/2004	5/11/2004	129,232
May-2004						
	Admin Service Center	27100 Schoenherr	00015498	5/4/2004	6/1/2004	23,992
	Westwood	11999 Martin Rd.	00016018	5/12/2004	6/9/2004	20,920
	Briarwood	14100 Leisure	00015500	5/12/2004	6/9/2004	22,072
	Hawthorne	12900 Frazho	00015981	5/4/2004	6/1/2004	64,190
	Tower High School	27900 Bunert	00009200	5/6/2004	6/3/2004	246,050
	Pinewood	14411 Bade	00015502	5/12/2004	6/9/2004	32,896
	Enterprise H.S.	28600 Suburban Dr.	00015865	5/12/2004	6/9/2004	9,096
	Garage	14846 Martin Rd.	00015501	5/10/2004	6/3/2004	8,560
	Middle School	13400 E 12 Mile Rd.	00015861	5/12/2004	6/9/2004	138,288
Jun-2004						
	Admin Service Center	27100 Schoenherr	00015498	6/2/2004	7/1/2004	27,304

Month	Facility Name	Facility Address	Utility Acct #	Start Date	End Date	Total Usage(kwh)
	Westwood	11999 Martin Rd.	00016018	6/10/2004	7/12/2004	9,424
	Briarwood	14100 Leisure	00015500	6/10/2004	7/12/2004	8,400
	Hawthorne	12900 Frazho	00015981	6/2/2004	7/1/2004	54,670
	Tower High School	27900 Bunert	00009200	6/4/2004	7/6/2004	211,400
	Pinewood	14411 Bade	00015502	6/10/2004	7/12/2004	11,248
	Enterprise H.S.	28600 Suburban Dr.	00015865	6/10/2004	7/12/2004	6,224
	Garage	14846 Martin Rd.	00015501	6/18/2004	7/20/2004	7,560
	Middle School	13400 E 12 Mile Rd.	00015861	6/10/2004	7/12/2004	107,344
Jul-2004						
	Admin Service Center	27100 Schoenherr	00015498	7/2/2004	8/2/2004	26,976
	Westwood	11999 Martin Rd.	00016018	7/13/2004	8/10/2004	6,632
	Briarwood	14100 Leisure	00015500	7/13/2004	8/10/2004	6,304
	Hawthorne	12900 Frazho	00015981	7/2/2004	8/2/2004	41,650
	Tower High School	27900 Bunert	00009200	7/7/2004	8/4/2004	154,630
	Pinewood	14411 Bade	00015502	7/13/2004	8/10/2004	8,800
	Enterprise H.S.	28600 Suburban Dr.	00015865	7/13/2004	8/10/2004	5,168
	Garage	14846 Martin Rd.	00015501	7/21/2004	8/18/2004	8,120
	Middle School	13400 E 12 Mile Rd.	00015861	7/13/2004	8/10/2004	86,784
Aug-2004						
	Admin Service Center	27100 Schoenherr	00015498	8/3/2004	9/1/2004	40,000
	Westwood	11999 Martin Rd.	00016018	8/11/2004	9/12/2004	15,744
	Briarwood	14100 Leisure	00015500	8/11/2004	9/12/2004	16,752
	Hawthorne	12900 Frazho	00015981	8/3/2004	9/1/2004	59,290
	Tower High School	27900 Bunert	00009200	8/5/2004	9/6/2004	233,030
	Pinewood	14411 Bade	00015502	8/11/2004	9/12/2004	26,752
	Enterprise H.S.	28600 Suburban Dr.	00015865	8/11/2004	9/12/2004	8,064
	Garage	14846 Martin Rd.	00015501	8/19/2004	9/21/2004	8,840
	Middle School	13400 E 12 Mile Rd.	00015861	8/11/2004	9/12/2004	109,440
Sep-2004						
	Admin Service Center	27100 Schoenherr	00015498	9/2/2004	10/3/2004	43,688
	Westwood	11999 Martin Rd.	00016018	9/13/2004	10/11/2004	20,520
	Briarwood	14100 Leisure	00015500	9/13/2004	10/11/2004	21,664
	Hawthorne	12900 Frazho	00015981	9/2/2004	10/3/2004	72,590
	Tower High School	27900 Bunert	00009200	9/7/2004	10/5/2004	258,090
	Pinewood	14411 Bade	00015502	9/13/2004	10/11/2004	33,824
	Enterprise H.S.	28600 Suburban Dr.	00015865	9/13/2004	10/11/2004	9,440
	Garage	14846 Martin Rd.	00015501	9/22/2004	10/18/2004	7,120
	Middle School	13400 E 12 Mile Rd.	00015861	9/13/2004	10/11/2004	107,632
Oct-2004						
	Admin Service Center	27100 Schoenherr	00015498	10/4/2004	11/1/2004	25,928
	Westwood	11999 Martin Rd.	00016018	10/12/2004	11/9/2004	23,136
	Briarwood	14100 Leisure	00015500	10/12/2004	11/9/2004	24,256
	Hawthorne	12900 Frazho	00015981	10/4/2004	11/1/2004	76,860
	Tower High School	27900 Bunert	00009200	10/6/2004	11/3/2004	236,530
	Pinewood	14411 Bade	00015502	10/12/2004	11/9/2004	31,008
	Enterprise H.S.	28600 Suburban Dr.	00015865	10/12/2004	11/9/2004	11,336
	Garage	14846 Martin Rd.	00015501	10/19/2004	11/15/2004	8,560
	Middle School	13400 E 12 Mile Rd.	00015861	10/12/2004	11/9/2004	102,288
Nov-2004						
	Admin Service Center	27100 Schoenherr	00015498	11/2/2004	12/1/2004	18,496
	Westwood	11999 Martin Rd.	00016018	11/10/2004	12/9/2004	24,552
	Briarwood	14100 Leisure	00015500	11/10/2004	12/9/2004	24,208

Month	Facility Name	Facility Address	Utility Acct #	Start Date	End Date	Total Usage(kwh)
	Hawthorne	12900 Frazho	00015981	11/2/2004	12/1/2004	75,110
	Tower High School	27900 Bunert	00009200	11/4/2004	12/5/2004	249,550
	Pinewood	14411 Bade	00015502	11/10/2004	12/9/2004	28,976
	Enterprise H.S.	28600 Suburban Dr.	00015865	11/10/2004	12/9/2004	11,864
	Garage	14846 Martin Rd.	00015501	11/16/2004	12/17/2004	11,400
	Middle School	13400 E 12 Mile Rd.	00015861	11/10/2004	12/9/2004	103,232
Dec-2004						
	Admin Service Center	27100 Schoenherr	00015498	12/2/2004	1/3/2005	18,680
	Westwood	11999 Martin Rd.	00016018	12/10/2004	1/11/2005	23,264
	Briarwood	14100 Leisure	00015500	12/10/2004	1/11/2005	22,032
	Hawthorne	12900 Frazho	00015981	12/2/2005	1/3/2005	67,970
	Tower High School	27900 Bunert	00009200	12/6/2004	1/5/2005	199,290
	Pinewood	14411 Bade	00015502	12/10/2004	1/11/2005	27,136
	Enterprise H.S.	28600 Suburban Dr.	00015865	12/10/2004	1/11/2005	11,104
	Garage	14846 Martin Rd.	00015501	12/18/2004	1/19/2005	10,440
	Middle School	13400 E 12 Mile Rd.	00015861	12/10/2004	1/11/2005	98,192
Jan-2005						
	Admin Service Center	27100 Schoenherr	00015498	1/4/2005	2/1/2005	18,240
	Westwood	11999 Martin Rd.	00016018	1/12/2005	2/9/2005	26,256
	Briarwood	14100 Leisure	00015500	1/12/2005	2/9/2005	26,080
	Hawthorne	12900 Frazho	00015981	1/4/2005	2/1/2005	71,610
	Tower High School	27900 Bunert	00009200	1/6/2005	2/3/2005	238,700
	Pinewood	14411 Bade	00015502	1/12/2005	2/9/2005	31,856
	Enterprise H.S.	28600 Suburban Dr.	00015865	1/12/2005	2/9/2005	11,528
	Garage	14846 Martin Rd.	00015501	1/20/2005	2/16/2005	10,000
	Middle School	13400 E 12 Mile Rd.	00015861	1/12/2005	2/9/2005	109,616
Feb-2005						
	Admin Service Center	27100 Schoenherr	00015498	2/2/2005	3/2/2005	15,608
	Westwood	11999 Martin Rd.	00016018	2/10/2005	3/10/2005	22,312
	Briarwood	14100 Leisure	00015500	2/10/2005	3/10/2005	23,040
	Hawthorne	12900 Frazho	00015981	2/2/2005	3/2/2005	66,920
	Tower High School	27900 Bunert	00009200	2/4/2005	3/6/2005	228,620
	Pinewood	14411 Bade	00015502	2/10/2005	3/10/2005	27,184
	Enterprise H.S.	28600 Suburban Dr.	00015865	2/10/2005	3/10/2005	10,392
	Garage	14846 Martin Rd.	00015501	2/17/2005	3/19/2005	14,160
	Middle School	13400 E 12 Mile Rd.	00015861	2/10/2005	3/10/2005	100,304
Mar-2005						
	Admin Service Center	27100 Schoenherr	00015498	3/3/2005	4/3/2005	15,439
	Westwood	11999 Martin Rd.	00016018	3/11/2005	4/12/2005	22,816
	Briarwood	14100 Leisure	00015500	3/11/2005	4/12/2005	25,048
	Hawthorne	12900 Frazho	00015981	3/3/2005	4/3/2005	70,000
	Tower High School	27900 Bunert	00009200	3/7/2005	4/5/2005	198,100
	Pinewood	14411 Bade	00015502	3/11/2005	4/12/2005	27,776
	Enterprise H.S.	28600 Suburban Dr.	00015865	3/11/2005	4/12/2005	11,808
	Garage	14846 Martin Rd.	00015501	3/20/2005	4/20/2005	9,640
	Middle School	13400 E 12 Mile Rd.	00015861	3/11/2005	4/12/2005	100,816
Apr-2005						
	Admin Service Center	27100 Schoenherr	00015498	4/4/2005	5/2/2005	19,423
	Westwood	11999 Martin Rd.	00016018	4/13/2005	5/10/2005	21,600
	Briarwood	14100 Leisure	00015500	4/13/2005	5/10/2005	24,032
	Hawthorne	12900 Frazho	00015981	4/4/2005	5/2/2005	71,610
	Tower High School	27900 Bunert	00009200	4/6/2005	5/4/2005	227,920

Month	Facility Name	Facility Address	Utility Acct #	Start Date	End Date	Total Usage(kwh)
	Pinewood	14411 Bade	00015502	4/13/2005	5/10/2005	28,976
	Enterprise H.S.	28600 Suburban Dr.	00015865	4/13/2005	5/10/2005	10,168
	Garage	14846 Martin Rd.	00015501	4/21/2005	5/17/2005	7,000
	Middle School	13400 E 12 Mile Rd.	00015861	4/13/2005	5/10/2005	91,024
May-2005						
	Admin Service Center	27100 Schoenherr	00015498	5/3/2005	6/1/2005	24,832
	Westwood	11999 Martin Rd.	00016018	5/11/2005	6/12/2005	23,016
	Briarwood	14100 Leisure	00015500	5/11/2005	6/12/2005	25,952
	Hawthorne	12900 Frazho	00015981	5/3/2005	6/1/2005	62,510
	Tower High School	27900 Bunert	00009200	5/5/2005	6/4/2005	245,140
	Pinewood	14411 Bade	00015502	5/11/2005	6/12/2005	36,208
	Enterprise H.S.	28600 Suburban Dr.	00015865	5/11/2005	6/12/2005	10,736
	Garage	14846 Martin Rd.	00015501	5/18/2005	6/16/2005	7,320
	Middle School	13400 E 12 Mile Rd.	00015861	5/11/2005	6/12/2005	114,384
Jun-2005						
	Admin Service Center	27100 Schoenherr	00015498	6/2/2005	7/4/2005	31,280
	Westwood	11999 Martin Rd.	00016018	6/13/2005	7/12/2005	9,968
	Briarwood	14100 Leisure	00015500	6/13/2005	7/12/2005	12,040
	Hawthorne	12900 Frazho	00015981	6/2/2005	7/4/2005	60,130
	Tower High School	27900 Bunert	00009200	6/6/2005	7/6/2005	213,710
	Pinewood	14411 Bade	00015502	6/13/2005	7/12/2005	14,368
	Enterprise H.S.	28600 Suburban Dr.	00015865	6/13/2005	7/12/2005	5,664
	Garage	14846 Martin Rd.	00015501	6/17/2005	7/20/2005	7,880
	Middle School	13400 E 12 Mile Rd.	00015861	6/13/2005	7/12/2005	71,392
Jul-2005						
	Admin Service Center	27100 Schoenherr	00015498	7/5/2005	8/2/2005	28,160
	Westwood	11999 Martin Rd.	00016018	7/13/2005	8/11/2005	8,032
	Briarwood	14100 Leisure	00015500	7/13/2005	8/11/2005	9,408
	Hawthorne	12900 Frazho	00015981	7/5/2005	8/2/2005	44,660
	Tower High School	27900 Bunert	00009200	7/7/2005	8/4/2005	159,880
	Pinewood	14411 Bade	00015502	7/13/2005	8/11/2005	12,352
	Enterprise H.S.	28600 Suburban Dr.	00015865	7/13/2005	8/11/2005	4,816
	Garage	14846 Martin Rd.	00015501	7/21/2005	8/18/2005	7,640
	Middle School	13400 E 12 Mile Rd.	00015861	7/13/2005	8/11/2005	68,320
Aug-2005						
	Admin Service Center	27100 Schoenherr	00015498	8/3/2005	9/1/2005	46,800
	Westwood	11999 Martin Rd.	00016018	8/12/2005	9/12/2005	17,168
	Briarwood	14100 Leisure	00015500	8/12/2005	9/12/2005	17,536
	Hawthorne	12900 Frazho	00015981	8/3/2005	9/1/2005	64,540
	Tower High School	27900 Bunert	00009200	8/5/2005	9/6/2005	252,210
	Pinewood	14411 Bade	00015502	8/12/2005	9/12/2005	30,528
	Enterprise H.S.	28600 Suburban Dr.	00015865	8/12/2005	9/12/2005	8,232
	Garage	14846 Martin Rd.	00015501	8/19/2005	9/19/2005	8,160
	Middle School	13400 E 12 Mile Rd.	00015861	8/12/2005	9/12/2005	92,304
Sep-2005						
	Admin Service Center	27100 Schoenherr	00015498	9/2/2005	10/3/2005	52,872
	Westwood	11999 Martin Rd.	00016018	9/13/2005	10/11/2005	21,432
	Briarwood	14100 Leisure	00015500	9/13/2005	10/11/2005	23,384
	Hawthorne	12900 Frazho	00015981	9/2/2005	10/3/2005	69,160
	Tower High School	27900 Bunert	00009200	9/7/2005	10/5/2005	268,940
	Pinewood	14411 Bade	00015502	9/13/2005	10/11/2005	35,360
	Enterprise H.S.	28600 Suburban Dr.	00015865	9/13/2005	10/11/2005	10,632

Month	Facility Name	Facility Address	Utility Acct #	Start Date	End Date	Total Usage(kwh)
	Garage Middle School	14846 Martin Rd. 13400 E 12 Mile Rd.	00015501 00015861	9/20/2005 9/13/2005	10/19/2005 10/11/2005	7,720 94,576
Oct-2005						
	Admin Service Center Westwood Briarwood Hawthorne Tower High School Pinewood Enterprise H.S. Garage Middle School	27100 Schoenherr 11999 Martin Rd. 14100 Leisure 12900 Frazho 27900 Bunert 14411 Bade 28600 Suburban Dr. 14846 Martin Rd. 13400 E 12 Mile Rd.	00015498 00016018 00015500 00015981 00009200 00015502 00015865 00015501 00015861	10/4/2005 10/12/2005 10/12/2005 10/4/2005 10/6/2005 10/12/2005 10/12/2005 10/20/2005 10/12/2005	10/31/2005 1/8/2005 11/8/2005 10/31/2005 11/2/2005 11/8/2005 11/8/2005 11/16/2005 11/8/2005	32,320 22,656 24,272 71,960 233,100 28,496 11,520 6,040 97,424
Nov-2005						
	Admin Service Center Westwood Briarwood Hawthorne Tower High School Pinewood Enterprise H.S. Garage Middle School	27100 Schoenherr 11999 Martin Rd. 14100 Leisure 12900 Frazho 27900 Bunert 14411 Bade 28600 Suburban Dr. 14846 Martin Rd. 13400 E 12 Mile Rd.	00015498 00016018 00015500 00015981 00009200 00015502 00015865 00015501 00015861	11/1/2005 11/9/2005 11/9/2005 11/1/2005 11/3/2005 11/9/2005 11/9/2005 11/17/2005 11/9/2005	11/30/2005 12/8/2005 12/8/2005 11/30/2005 12/4/2005 12/8/2005 12/8/2005 12/16/2005 12/8/2005	20,712 24,160 24,264 78,330 257,250 29,264 13,040 11,640 106,224
Dec-2005						
	Admin Service Center Westwood Briarwood Hawthorne Tower High School Pinewood Enterprise H.S. Garage Middle School	27100 Schoenherr 11999 Martin Rd. 14100 Leisure 12900 Frazho 27900 Bunert 14411 Bade 28600 Suburban Dr. 14846 Martin Rd. 13400 E 12 Mile Rd.	00015498 00016018 00015500 00015981 00009200 00015502 00015865 00015501 00015861	12/1/2005 12/9/2005 12/9/2005 12/1/2005 12/5/2005 12/9/2005 12/9/2005 12/17/2005 12/9/2005	1/3/2006 1/11/2006 1/11/2006 1/3/2006 1/5/2006 1/11/2006 1/11/2006 1/20/2006 1/11/2006	19,680 23,520 23,040 82,880 250,320 27,680 12,168 14,000 104,176
Jan-2006						
	Admin Service Center Westwood Briarwood Hawthorne Tower High School Pinewood Enterprise H.S. Garage Middle School	27100 Schoenherr 11999 Martin Rd. 14100 Leisure 12900 Frazho 27900 Bunert 14411 Bade 28600 Suburban Dr. 14846 Martin Rd. 13400 E 12 Mile Rd.	00015498 00016018 00015500 00015981 00009200 00015502 00015865 00015501 00015861	1/4/2006 1/12/2006 1/12/2006 1/4/2006 1/6/2006 1/12/2006 1/12/2006 1/21/2006 1/12/2006	2/2/2006 2/12/2006 2/12/2006 2/2/2006 2/6/2006 2/12/2006 2/12/2006 2/17/2006 2/12/2006	18,504 28,352 28,720 83,720 263,620 32,192 13,296 11,320 116,224
Feb-2006						
	Admin Service Center Westwood Briarwood Hawthorne Tower High School Pinewood Enterprise H.S. Garage Middle School	27100 Schoenherr 11999 Martin Rd. 14100 Leisure 12900 Frazho 27900 Bunert 14411 Bade 28600 Suburban Dr. 14846 Martin Rd. 13400 E 12 Mile Rd.	00015498 00016018 00015500 00015981 00009200 00015502 00015865 00015501 00015861	2/3/2006 2/13/2006 2/13/2006 2/3/2006 2/7/2006 2/13/2006 2/13/2006 2/18/2006 2/13/2006	3/2/2006 3/13/2006 3/13/2006 3/2/2006 3/7/2006 3/13/2006 3/13/2006 3/20/2006 3/13/2006	18,056 23,200 28,932 73,990 237,020 25,456 11,600 12,600 100,016

Month	Facility Name	Facility Address	Utility Acct #	Start Date	End Date	Total Usage(kwh)
Mar-2006						
	Admin Service Center	27100 Schoenherr	00015498	3/3/2006	4/4/2006	21,496
	Westwood	11999 Martin Rd.	00016018	3/14/2006	4/12/2006	25,808
	Briarwood	14100 Leisure	00015500	3/14/2006	4/12/2006	28,290
	Hawthorne	12900 Frazho	00015981	3/3/2006	4/4/2006	90,300
	Tower High School	27900 Bunert	00009200	3/8/2006	4/6/2006	247,100
	Pinewood	14411 Bade	00015502	3/14/2006	4/12/2006	30,528
	Enterprise H.S.	28600 Suburban Dr.	00015865	3/14/2006	4/12/2006	12,864
	Garage	14846 Martin Rd.	00015501	3/21/2006	4/19/2006	9,680
	Middle School	13400 E 12 Mile Rd.	00015861	3/14/2006	4/12/2006	110,416
Apr-2006						
	Admin Service Center	27100 Schoenherr	00015498	4/5/2006	5/2/2006	29,720
	Westwood	11999 Martin Rd.	00016018	4/13/2006	5/10/2006	18,320
	Briarwood	14100 Leisure	00015500	4/13/2006	5/10/2006	23,280
	Hawthorne	12900 Frazho	00015981	4/5/2006	5/2/2006	71,260
	Tower High School	27900 Bunert	00009200	4/7/2006	5/4/2006	191,450
	Pinewood	14411 Bade	00015502	4/13/2006	5/10/2006	21,440
	Enterprise H.S.	28600 Suburban Dr.	00015865	4/13/2006	5/10/2006	8,568
	Garage	14846 Martin Rd.	00015501	4/20/2006	5/19/2006	6,640
	Middle School	13400 E 12 Mile Rd.	00015861	4/13/2006	5/10/2006	69,424
May-2006						
	Admin Service Center	27100 Schoenherr	00015498	5/3/2006	6/4/2006	45,440
	Westwood	11999 Martin Rd.	00016018	5/11/2006	6/13/2006	24,264
	Briarwood	14100 Leisure	00015500	5/11/2006	6/13/2006	35,250
	Hawthorne	12900 Frazho	00015981	5/3/2006	6/4/2006	86,940
	Tower High School	27900 Bunert	00009200	5/5/2006	6/6/2006	289,800
	Pinewood	14411 Bade	00015502	5/11/2006	6/13/2006	36,480
	Enterprise H.S.	28600 Suburban Dr.	00015865	5/11/2006	6/13/2006	10,632
	Garage	14846 Martin Rd.	00015501	5/20/2006	6/20/2006	7,600
	Middle School	13400 E 12 Mile Rd.	00015861	5/11/2006	6/13/2006	109,152
Jun-2006						
	Admin Service Center	27100 Schoenherr	00015498	6/5/2006	7/5/2006	46,728
	Westwood	11999 Martin Rd.	00016018	6/14/2006	7/13/2006	7,680
	Briarwood	14100 Leisure	00015500	6/14/2006	7/13/2006	18,420
	Hawthorne	12900 Frazho	00015981	6/5/2006	7/5/2006	66,290
	Tower High School	27900 Bunert	00009200	6/7/2006	7/9/2006	223,020
	Pinewood	14411 Bade	00015502	6/14/2006	7/13/2006	12,336
	Enterprise H.S.	28600 Suburban Dr.	00015865	6/14/2006	7/13/2006	5,528
	Garage	14846 Martin Rd.	00015501	6/21/2006	7/20/2006	7,240
	Middle School	13400 E 12 Mile Rd.	00015861	6/14/2006	7/13/2006	66,304
Jul-2006						
	Admin Service Center	27100 Schoenherr	00015498	7/6/2006	8/2/2006	46,360
	Westwood	11999 Martin Rd.	00016018	7/14/2006	7/16/2006	120
	Briarwood	14100 Leisure	00015500	7/14/2006	8/13/2006	16,590
	Hawthorne	12900 Frazho	00015981	7/6/2006	8/2/2006	49,770
	Tower High School	27900 Bunert	00009200	7/10/2006	8/7/2006	199,640
	Pinewood	14411 Bade	00015502	7/14/2006	8/13/2006	13,440
	Enterprise H.S.	28600 Suburban Dr.	00015865	7/14/2006	8/13/2006	5,680
	Garage	14846 Martin Rd.	00015501	7/21/2006	8/18/2006	7,320
	Middle School	13400 E 12 Mile Rd.	00015861	7/14/2006	8/13/2006	62,544
Aug-2006						

Month	Facility Name	Facility Address	Utility Acct #	Start Date	End Date	Total Usage(kwh)
Data N/A	Admin Service Center	27100 Schoenherr	00015498	8/3/2006	9/5/2006	52,448
	Westwood	11999 Martin Rd.	00016018			
	Briarwood	14100 Leisure	00015500	8/14/2006	9/13/2006	28,260
	Hawthorne	12900 Frazho	00015981	8/3/2006	9/5/2006	48,930
	Tower High School	27900 Bunert	00009200	8/8/2006	9/7/2006	262,640
	Pinewood	14411 Bade	00015502	8/14/2006	8/17/2006	1,952
	Enterprise H.S.	28600 Suburban Dr.	00015865	8/14/2006	9/13/2006	7,112
	Garage	14846 Martin Rd.	00015501	8/19/2006	9/19/2006	8,000
	Middle School	13400 E 12 Mile Rd.	00015861	8/14/2006	9/13/2006	68,288
Sep-2006						
Data N/A	Admin Service Center	27100 Schoenherr	00015498	9/6/2006	10/3/2006	41,872
	Westwood	11999 Martin Rd.	00016018			
	Briarwood	14100 Leisure	00015500	9/14/2006	10/12/2006	26,670
	Hawthorne	12900 Frazho	00015981	9/6/2006	10/3/2006	38,220
	Tower High School	27900 Bunert	00009200	9/8/2006	10/8/2006	270,900
	Pinewood	14411 Bade	00015502			
	Enterprise H.S.	28600 Suburban Dr.	00015865	9/14/2006	10/12/2006	10,000
	Garage	14846 Martin Rd.	00015501	9/20/2006	10/19/2006	7,200
	Middle School	13400 E 12 Mile Rd.	00015861	9/14/2006	10/12/2006	82,528
Oct-2006						
Data N/A	Admin Service Center	27100 Schoenherr	00015498	10/4/2006	11/2/2006	29,056
	Westwood	11999 Martin Rd.	00016018			
	Briarwood	14100 Leisure	00015500	10/13/2006	11/12/2006	32,880
	Hawthorne	12900 Frazho	00015981	10/4/2006	11/2/2006	56,770
Data N/A	Tower High School	27900 Bunert	00009200	10/9/2006	11/6/2006	251,440
	Pinewood	14411 Bade	00015502			
	Enterprise H.S.	28600 Suburban Dr.	00015865	10/13/2006	11/12/2006	12,568
	Garage	14846 Martin Rd.	00015501	10/20/2006	11/16/2006	8,880
	Middle School	13400 E 12 Mile Rd.	00015861	10/13/2006	11/12/2006	96,816

WARREN WOODS

Gas Usage and Charges

Building Name	Jan-04 Usage Mcf	Feb-04 Usage Mcf	Mar-04 Usage Mcf	Apr-04 Usage Mcf	May-04 Usage Mcf	Jun-04 Usage Mcf	Jul-04 Usage Mcf	Aug-04 Usage Mcf	Sep-04 Usage Mcf	Oct-04 Usage Mcf	Nov-04 Usage Mcf	Dec-04 Usage Mcf
Bus Garage	196.9	205	121.1	68.1	16.5	3.7	2.6	4	3.8	24.6	63.4	202.1
Admin. Svc. Center	269.1	220.1	204.7	191	130.2	133.7	109.9	156.7	188.8	209.1	224.3	289.4
Enterprise HS	525.2	458.1	407.4	207.7	142	8.6	7.9	6.8	9.6	187	291.8	508.1
Briarwood Elem	395.2	408.5	301.9	198.2	80.9	29.3	6.3	12.8	9.8	86.4	196.8	542.4
Pinewood Elem	578.1	536.7	388.4	232.4	65.5	10.1	7.2	5.7	9.1	116.1	234.9	515.8
Westwood Elem	860.4	768.2	555.7	389	141.5	9.6	7.8	6.7	11.6	179.3	425	735
Hawthorne	1814.7	1278.1	1026	774.2	191.9	33.4	24.2	26.2	31.7	441.7	727.2	1313.6
Middle School	2356	2218	1796	1581	910	539	395	68	67	230	1178	1590
Ridgewood Elem	757.9	705.3	423.8	257.2	96.6	33.2	12.1	5.7	3.4	150.4	246.4	650.6
Tower Sr High	3416	3265	2614	1589	1824	2032	583	1306	2409	1245	2060	2739
TOTAL	11170	10063	7839	5487.8	3599.1	2832.6	1156	1598.6	2743.8	2869.6	5647.8	9086

Building Name	Jan-05 Usage Mcf	Feb-05 Usage Mcf	Mar-05 Usage Mcf	Apr-05 Usage Mcf	May-05 Usage Mcf	Jun-05 Usage Mcf	Jul-05 Usage Mcf	Aug-05 Usage Mcf	Sep-05 Usage Mcf	Oct-05 Usage Mcf	Nov-05 Usage Mcf	Dec-05 Usage Mcf
Bus Garage	204.9	177.1	133.6	102.9	32.2	3.9	1.4	1.4	2	10.2	61.4	196.3
Admin. Svc. Center	220.8	201	202	118.3	162.3	217.6	9.8	161.7	308.4	266.6	227.9	237.1
Enterprise HS	503.9	457.3	467.5	242.9	104.1	10.4	7.7	7.7	10.4	91.6	379.1	444.1
Briarwood Elem	374.7	478.1	333.1	365.4	123.1	29.3	9	5.3	6.4	112.8	184.5	542.4
Pinewood Elem	510.1	491.3	421.1	217.3	118.6	7.3	5	4.7	7.5	48.5	202	521.1
Westwood Elem	767.3	717.3	578.7	325.8	200.3	9.8	7.1	7.1	4.1	113.8	435.4	735
Hawthorne	1500.4	1155.4	1094.4	918	216.6	33.1	26.3	22.1	32.7	210.6	973.2	1120.4
Middle School	2042	1851	1778	1087	679	72	61	56	59	69	995	1952
Ridgewood Elem	646.8	538.2	558.7	205.9	135.9	29	18.4	17.5	6.1	83.3	288.9	557.7
Tower Sr High	3270	3320	2827	1546	1426	2460	352	2095	1577	1291	2002	3861
TOTAL	10041	9386.7	8394.1	5129.5	3198.1	2872.4	497.7	2378.5	2013.6	2297.4	5749.4	10167.1

Building Name	Jan-06 Usage Mcf	Feb-06 Usage Mcf	Mar-06 Usage Mcf	Apr-06 Usage Mcf	May-06 Usage Mcf	Jun-06 Usage Mcf	Jul-06 Usage Mcf	Aug-06 Usage Mcf	Sep-06 Usage Mcf	Oct-06 Usage Mcf
Bus Garage	187.1	157.3	123.5	39.3	15.3	2.4	1.9	1.9	2.2	9.5
Admin. Svc. Center	225.5	236.8	216.3	188.6	245.2	234.9	201	183.3	275.7	243.6
Enterprise HS	447.5	451.1	467.7	180.2	16.7	10.7	7.9	7.4	10.1	178.3
Briarwood Elem	484.3	476.5	525.4	243.1	169.2	6.6	5.6	4.4	13.2	153.4
Pinewood Elem	412.2	420.7	443.2	142.5	24.5	10.6	3.8	0	0	324.2
Westwood Elem	722.6	672.5	612.4	284.1	94.4	8.6	6.9	7.6	0.4	174.1
Hawthorne	1544.4	1209.7	1052.5	752.9	232.6	32.1	25.5	23.7	31.7	868.9
Middle School	1707	1661	1704	1034	563	146	64	55	66	428
Ridgewood Elem	531.8	515.2	410.7	194.5	113.2	21.1	5.4	4.5	15.6	163.8
Tower Sr High	3337	3423	2950	1265	964	1524	1154	1774	1221	1801
TOTAL	9599	9223.8	8505.7	4324.2	2438.1	1997	1476	2061.8	1635.9	4344.8

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