



PASCOAG
UTILITY DISTRICT

Pascoag Electric • Pascoag Water

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PASCOAG UTILITY DISTRICT'S DEMAND SIDE MANAGEMENT PROGRAM – 2007

RIPUC DOCKET NO. 3776

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PUBLIC UTILITIES COMMISSION

**PASCOAG UTILITY DISTRIC
ELECTRIC DEPARTMENT**

**PASCOAG UTILITY DISTRICT'S
DEMAND SID MANAGEMENT PROGRAM – 2007**

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October 19, 2006

Ms. Luly Massaro
Clerk of the Commission
Rhode Island Public Utilities Commission
89 Jefferson Blvd.
Warwick RI 02888

Re: Docket No. 3776

Dear Ms. Massaro:

On Behalf of Pascoag Utility District (Pascoag or the District), Enclosed are an original and nine copies of Pascoag's proposed Demand Side Management Programs for 2007. This submission include Pascoag's Executive Summary, Program Details for 2007, reconciliation of 2006 DSM activity and budget, and other schedules that supports this docket.

If you have any questions, or require additional information, please do not hesitate to contact me.

Very truly yours,

Harle J. Round
Customer Service Representative

Cc: William Lueker, Esquire
William Bernstein, Esquire



B

Pascoag's 2007 Demand Side Management Program
Executive Summary: Submitted by Harle J. Round

The Residential programs proposed by Pascoag Utility District for 2007, will closely mirror the 2006 programs. All of the Residential programs are back due to a continued high rate of demand from the customers. Most of the 2006 Residential programs exhausted funding by September of this year. The District has worked hard to spend the DSM budget and not have the large carryovers of previous years. The District will continue to seek permission to reallocate funds should certain programs not perform to expectations.

The Home Energy Audits continue to be very informational and helpful for customers to conserve energy plus see where they can save the most when upgrading such things as windows, doors, boilers, insulation and lighting. We find that customers who had the audits come back year after year looking for rebates when they upgrade the above mentioned items. The feed back from our customers has been consistently positive and they especially like the fact that Energy New England does the audits while not looking to sell their products or services.

The Energy Star Appliance rebates; Energy Star Windows and doors rebates, and the Energy Star Heating System incentives continue to be the most popular program amongst the customers. The demand has not lessened in 2006 and the fund for all three programs was depleted by the first week in September of 2006. The District would like to continue with these programs again next year, albeit with a slight increase in funding.

Energy Star Thermostats/Lighting and Energy Star Home Office Equipment/Home Electronics rebates also continue to be requested by the customers. The funds for these two programs were depleted by October of 2006. However, the District would like to fund these two programs at the same level as last year.

The District seeks to keep the line item for Incentives for Electric Heat at a budget of \$500. We have a customer that is considering a conversion, but would like to see how high his electric bill will be this coming winter before deciding. Should he decide to convert, we will ask for a reallocation of funds for this line item.

The New Construction rebates are proving to be very popular with contractors. They have upgraded to Energy Star Windows, Doors, and Furnaces and are considering putting Energy Star appliances into the homes. Construction at the Harrisville Village project is underway and they have, to date received rebates totaling \$7,175. The District would like to increase the funding to this project and divert any funds that are left over from 2006 to this line item. The District is aware of four housing developments that will be under construction in 2007 and these funds will help encourage the contracts to upgrade to Energy Star rated materials, which in the end will benefit the residential customers purchasing these homes as well as lessening demand for electricity.

The Callahan School project is still underway and is projected to be completed in this calendar year. The District has the spreadsheets on the new and retrofit lighting for the project and is waiting to receive the invoices for the lighting and labor in order to determine the rebate.

In regards to the Industrial and Commercial programs the District would like to continue the Energy Star incentives for Office equipment at the same level as last year.

A temporary service has been installed on the new Jesse M. Smith Memorial Library site. The District would like to carry the encumbered \$20,000 into the 2007 calendar year.

The Pascoag Utility District-Water Department will be bringing on a new production well previously scheduled for 2006, but due to licensing delays, it will not be complete until 2007. Therefore the District would like to carry those funds over into the 2007 calendar year.

In addition to the Library and Well projects, the District is working with RISE on energy audits on G S Inc and the Pascoag Fire District Hose 1 Station for potential incentives in 2007.

The District's DSM Program continues to support various projects with the Burrillville High School Students. The major project for 2006 was the "do-it-yourself" home energy audits. These kits were given away as raffles prizes at the family fair and the RI DOE'S Energy Expo. This year the students will be working on flyers to be included in with the customers' bills. Several different groups will be creating these flyers with conservation in mind for the different seasons. They will also be creating posters with a conservation message that we can display in the office and at various community functions that we attend. At the end of the school year the district would like to once again host a cookout for all the students involved and have them present their work.

The District would like to also continue its outreach program using Soleil Inc. to prepare at least a couple of pamphlets for 2007. One at the start of the year to introduce the programs and one later on in the year promoting Commercial/ Industrial projects that have been completed, to showcase the types of rebates available for the Industrial and Commercial Customer. These residential pamphlets were so successful last year that funds for most of the Residential programs funds were depleted by September. Rather than spend the balance of the funds from outreach on another pamphlet the District used some of the funds to attend the RI DOE's Energy Expo in Warwick RI, on October 1, 2006. The District will be submitting the paperwork to ask for a reallocation of the balance of these funds in this line item to the more popular residential programs.

The Utility District continues to be active in many community events. In 2006 we participated in the Burrillville Family Fair and the Seniors' prom. At these events we handed out various materials with a conservation message, these included pamphlets,

energy wheels, night-lights, rulers, pencil kits, and refrigerator magnets. These events are great opportunities for customer interaction and give us a feel for what kinds of programs that the customers are looking for.

The funding for the 2007 Demand Side Management Program is based on the 2.0 mils per kilowatt-hour assessment established by legislation. A residential customer using 500 kWh will pay \$1.00 on their monthly electric bill for these conservation programs. The Customer has seen the DSM assessment since its inception, and there is a separate line item on the monthly electric bill identifying this conservation cost.

Pascoag's' proposed budget is based on the forecast of Sales for 2007, which was estimated by taking a three-year average with an annual growth factor of 4 ½ percent. The Estimated budget round up is \$108,000 for 2007 plus an estimated carryover of 2006 funds of \$39,000. This will give the District a Net DSM budget of \$147,000.

C

2007 Program Details- Residential, Commercial, Industrial, Administrative, and Customer Education and Outreach

Residential Programs

This year Pascoag plans to continue all of the Residential Programs from 2006. The customer demand for these incentives is still very high.

This summary will detail the programs proposed for 2007, and review the success of the 2006 programs.

1. Energy New England – Residential Conservation Services \$1800:

Pascoag will continue its relationship with Energy New England (“ENE”) in 2007. The Residential Conservation Service (“RCS”) provides valuable technical support to the District Staff as well as its customers.

In addition to this support, ENE supplies fulfillment materials to the customers of the District. These materials include the following items Energy Smart CD’s, conservation booklets, and reference materials and sources. ENE sponsors a toll free energy hot line that is available to customers during normal business hours. Pascoag often refers it customer to this hot line when they have questions on electric use for appliances or have technical questions about electric motors and equipment. If their questions cannot be resolved over the phone, ENE will often times schedule a home energy audit with the customer. This year Pascoag has referred twenty-five customers to the energy hot line.

ENE also sponsors an Advisory Group. The Advisory Group includes people from municipal utilities from all the New England States. The group meets quarterly to share ideas on all aspects of energy conservation.

The cost of this service will remain at \$150 per month.

2. Audits with Follow-up Incentives - \$4000:

Pascoag would like to maintain the same level of funding, as in the 2006 program. This would allow the following:

11 Audits @\$155	\$1705
Incentives up to \$200	\$2200
Misc. (additional audits)	\$95

ENE has agreed to hold the price @ \$155 for the home energy audits through the 2008 calendar year. A customer who implements audit recommendations is eligible for incentives of ten percent (not to exceed \$200) on items that are not covered under Pascoag’s Residential programs. These items would include insulation, weather stripping, electric outlet insulators, attic door insulators, etc. They must also implements the changes in the same calendar year as the audit to qualify for the incentive.

Pascoag does not have anyone on staff that is capable to perform these audits and finds this a very helpful service for our customers.

3. Energy Homes/ Energy Star Appliance Rebates: \$10,000

Pascoag would like a slight increase in funding for this program in 2007. This program continues to be the most popular program by far. The District encourages its customers to purchase Energy Star compliant appliances because an Energy Star qualified appliance uses 10-50% less energy and water than a standard model. If one out of 10 homes used Energy Star qualified appliance, the change would be like planting 1.7 million new acres of trees.

A customer purchasing an Energy Star compliant refrigerator or clothes washer will receive an incentive of \$100. A customer purchasing a dishwasher, air conditioner, or dehumidifier will receive an incentive of \$50. The incentive will be limited to one rebate per appliance in a calendar year and the incentive will be applied as a credit to the customer's electric account.

4. Energy Star Windows and Doors Incentive: \$6000

Pascoag would like to increase the line item for windows and door in 2007. The funds for this line item were depleted by September of 2006. This program is the second most popular program and because the District is still receiving applications for incentives, we will be submitting a request to reallocate some funds to this line item in 2006 to accommodate these requests.

When a customer purchases an Energy Star compliant window or door, they will realize a savings in lower energy use. Their homes will stay cooler in the summer and warmer in the winter, making the home more comfortable and reducing the cost of heating and cooling their homes. Many Energy Star windows and doors also protect the homes interior, by acting like a sunscreen for their home.

Pascoag Utility District became an Energy Star Partner this year and has added the Energy Star Logo to our sign in the front of the District office building. We continue to be committed to helping our customers become more educated on what they can do to help conserve energy. The incentive of \$25 per window up to twenty-windows and an incentive of \$50 per door up to two-doors will help offset the cost of upgrading to a more efficient window or door. Should there be funds left at the end of the year for this line item, and if a customer has purchased more than twenty windows or two doors, the district is proposing that the limits be lifted to accommodate those customers. This would only happen if both criteria's are met.

5. Energy Star Heating System Incentive: \$4200

The program for Heating System replacement will be slightly increased in 2007. The incentive is ten percent of the total cost including labor, with a cap of \$350, on all Energy Star compliant furnaces and boilers. This will allow us to rebate up to twelve customers.

All new or replacement equipment must be Energy Star Compliant. Pascoag requires a customer to submit receipts that include the model number plus a spec sheet on their type of heating equipment. A signed mechanical permit is also required from Burrillville Town Hall, which insures us that the work has been completed according to the building codes.

Most of the homes in Pascoag's service territory use oil fired boilers, so there is continued interest in this program with customers updating their older heating equipment and seeking to become more efficient. The Energy Star compliant heating system are about fifteen percent more efficient than a standard model and by offering this incentive the customer can upgrade to an energy Star compliant model and off sets their final cost. The customer receives the incentive as a credit on their electric account.

The District issued ten incentives for electric heat through September of 2006 which depleted the funds. The district presently has four applications for incentives on the heating system, and will be requesting a reallocation of funds in the near future.

6. Energy Star Thermostats/Lighting: \$500

The funding for this program will remain the same as 2006. The funds for this program were depleted in October of 2006. The customers, who took advantage of this program, loved the fact that they could purchase Energy Star compliant, light bulbs, fixtures, and thermostats, and receive a rebate of fifty percent with a cap of \$50.

The Energy Compliant compact fluorescent bulbs (CFLs) produce the same quality of light as an incandescent bulb, but they use less electricity. One CFL uses 66% less electricity compared to a standard bulb and last 10 times longer. One 20-watt CFL used in place if a 75-watt incandescent bulb will save about 550 kWh over its life time. The savings would be \$77 at 14 cents per kWh, so for a customer trying to conserve electricity, by simply replacing their standard bulbs with CFLs they can realize a savings on their electric bills.

Lighting fixtures that carry the Energy Star Label are designed to operate with energy-efficient bulbs. Some of the models are equipped with dimming and switching capabilities. These fixtures include indoor, outdoor, portable, and hardwired lighting that can be used throughout the home. If a customer replaced a halogen torchiere with an Energy Star labeled torchiere the savings over the life time would be \$150 or more.

Programmable thermostats are a great way for customers to lower the cost of heating their homes. With the programmable thermostats they can set it and forget it. They can program it to reduce the temperature when no one is home and turn the temperature up before they are scheduled to return home from work or school. The can also set it to lower the temperature when they are sleeping at night and program it to increase the temperature just before rising in the morning. The cost for these units is relatively cheap with an average price of \$25; they pay for themselves very quickly. With the cost to heat a home so unstable at this time this is another simple way to conserve.

7. Home Office Equipment and Home Electronics: \$500

The funding for this program will remain the same as last year. The incentive will remain at twenty five percent of the cost, with a cap not to exceed \$50.

Energy Star compliant Home Office Equipment eliminates wasted energy by automatically entering into a low-power "Sleep" mode. Energy Star qualified computers in sleep mode will use roughly 80% less electricity than it does in full power mode. Energy Star qualified office equipment uses about half as much electric as standard equipment.

A customer who purchases home electronics with the energy star label will use as much as 50% less electricity than non-compliant electronics. Forty percent of all electricity used to power non-compliant home electronics is consumed while the product is turned off. These products use energy to power features for clock displays and remote controls which can be very wasteful.

The funds for this program were depleted by September of 2006. With more customers working from home we continue to get request for this program.

8. Incentive for Electric Heat Conversion/ Geothermal System: \$500

This line item is one that the District has no firm commitments for, but has had inquires about converting from electricity to another source of heat and has had one inquire on rebates on the newer geothermal system. Because of the potential savings for the District, we would like to keep this line open and should a customer go forward we would seek permission to reallocate funds at that time.

The new geothermal systems work by exchanging heat with the ground by refrigerant through a series of buried, sealed tubes, call earth loops. Refrigerants absorb heat from the ground in the winter and transfers it to a heat distribution system inside the house. In the summer the process is reversed by taking unwanted heat from the house and returning it to the ground. In Rhode Island the earth's temperature remains fairly constant averaging about 50° f. Home owners with geothermal thermal units realize a 40% to 60% savings over conventional gas, oil, or heat pump systems. Energy Star qualified geothermal heat pumps use about 40% to 60% less energy than a standard heat pump.

Changes to the Residential Program in 2007

9. New Construction Rebate: \$23,560

The District is moving this line item out of Industrial and Commercial program and adding it to the residential programs. This program has proved to be very successful in 2006. Harrisville Village has completed eleven units and will receive a \$7175 rebate in October. The incentives offset the cost of upgrading which will help the residential customer by reducing their energy

bills for years to come. The District knows of four projects that will be under construction in 2007 and should there be any funds left over at the end of 2006, the District will ask to carry these funds over to 2007.

This program is an excellent way to encourage the contractors to up grade to Energy Star compliant windows, doors, heating systems, appliances, thermostats, and lighting fixtures. The funding for this program would increase to \$23,560 which would allow rebates for up to thirty-eight units/home at a maximum rebate of \$620 per unit/home. The rebates will be issued on a first come basis. Should there be funds at the end of 2007 the district would like to possibly increase the limits and the maximum rebate in order to spend the funds. These rebates will be issued in the form of a check to the contractor.

This would allow for a combination of the following rebates up to \$620 per unit/home:

Energy Star Boiler/Furnace	\$250
Energy Windows limit of 10 @\$25	\$225
Energy Star Doors limit of 2 @\$50	\$100
Energy Star Appliances \$50	\$50 each
Energy Star Thermostats/lighting	\$20 each
Central Air Conditioning	\$200

10. Central Air Conditioners : \$2000

Pascoag Utility District has received request for this type of incentive. About one-sixth of all electricity generated in the United States is used to air condition buildings.

Energy Star qualified central air conditioners have a higher seasonal efficiency rating (SEER) than a standard model and are 8% more efficient. For a customer to qualify for this program they must purchase and a central air conditioner with a SEER of 14 or greater, EER of 11.5. The District proposes a rebate of 10% not to exceed \$200.

Commercial and Industrial Programs

The William Callahan School project should be completed in 2006. The pricing and labor cost were given to RISE so they can calculate the total rebate, which is calculated at \$42,914 at this time. This project is a mix of new lighting and some retro-fit lighting. The exterior lighting is under review for possible rebates at this time

Other commercial customers have expressed interest in projects in 2007, and those will also be detailed in this section.

1. Energy Star Office Equipments and Electronics Incentives: \$1000

The District would like to fund this at the same level as last year. The District has issued \$516 in incentives through October 2006. GS Inc is in the process of adding on to their existing building and will be purchasing new office equipment for the new office space in 2007.

Energy star equipment such as faxes, phones, copiers, computers, monitors, water coolers, and scanners will use up to eighty percent less electricity than standard models. They are programmed to go into a sleep mode when they sit idle which conserves energy. Energy Star compliant office equipment and electronics tend to last longer due to these features.

The incentive proposed under this program will remain at 25%, not to exceed \$50 per item. Businesses would be eligible to take advantage of multiple incentives, because many businesses tend to replace these items on a scheduled basis and tend to replace more than one piece at a time depending on the size of the office staff. The customers must submit invoices and Energy Star model numbers for verification. These incentives will be applied as a credit on the customers account.

2. The Jesse M. Smith Memorial Library Project: \$20,000

The Ground breaking ceremony for the new library project took place on Sunday September 24, 2006. Therefore the District would like to carry the funds from 2006 into the 2007 budget.

The Burrillville voters approved the funding for the construction of this library on November 2, 2004. The new library is expected to open in 2008. The incentives proposed under this program will be 40% on the cost of Energy Star Compliant fixtures and lighting plus labor up to a maximum rebate of \$20,000. If they do not use all the funds on lighting they would be then be eligible for \$25 per window and \$50 per door, provided they are Energy Star compliant for the northern region with a U-value of .35 or lower.

3. Pascoag Utility District – Well Project: \$3000

Pascoag Utility District was scheduled to bring a new production well on line in 2006 but due to some delays the District would like to carry these funds into the 2007 budget.

The well will be capable of pumping 70,000 gallons of water per day and will partially supply Pascoag's water customers with a little less than a third of the its total demand for water. The District is working with engineers and intends to use energy efficient equipment for the new well.

4. Pascoag Fire District – Hose 1 Project: \$7,500

The Pascoag Fire District has expressed an interest for extensive renovations at their Hose 1 facility with retrofit lighting and replacement of windows and door to become more efficient.

On October 5, 2006 RISE went to their facility to perform an Energy Audit. They will give their recommendations to the customer and also give us a copy of the report, therefore the District would like to allocate \$7,500 to this line item.

5. G S Incorporated Lighting Project: \$20,000

Pascoag Utility District contacted G S Inc. in September of this year and scheduled a meeting between RISE, G S Inc., and Pascoag Utility to go over potential rebates. The audit took place on October 5, 2006 and Pascoag is awaiting a report from RISE on the suggested lighting plans.

The incentives proposed under this program will be 40% on the cost of Energy Star Compliant fixtures and lighting plus labor up to a maximum rebate of \$20,000. If they do not use all the funds on lighting they would be then be eligible for \$25 per window and \$50 per door, provided they are Energy Star compliant for the northern region with a U-value of .35 or lower.

Administration/Customer Education/Customer Outreach

1. Administrative Expenses: \$11,000

Pascoag continues to work hard to keep the Administrative cost as reasonable as possible. Therefore there will be no increase in the Administrative Expense in 2007.

The budget will be used to pay for staff time, schools and seminars related to DSM, and reimbursement of mileage when employees use their private vehicles for DSM related activities.

Pascoag has two customer service Representatives who devote many hours to the DSM program by working with the customers taking the application for rebates on the various programs, answering questions over the phone and in person. The Senior Customer Service Representative spend many hours researching the compliance of the various rebates that are submitted, reconciling the DSM programs, and the creation of DSM programs for the next year. In addition, both the General Manager and the Assistant General Managers of the Business Division and the Operations Division work with the commercial and industrial customers on various commercial projects and do site visits.

2. Follow-up Funds for Successful Program: \$3440

Pascoag is requesting this, as it has in the past, to allow some flexibility to transfer funds to another program with a high customer demand, should the need arise. Any transfer would only be done with the Divisions approval.

3. Customer Education and Outreach Program: \$14,000

The District did Pamphlets with Soleil Communications at the end of the year in 2005 and at the beginning of the year to introduce the available programs in 2006. As a direct result of these pamphlets, Pascoag depleted all of the Residential funding by the third quarter of the year. Therefore the District did not do a second and third pamphlet as proposed in last year's filing. Instead the District was invited to participate in the Energy Expo put on by the State Energy office, on Sunday October 1, 2006. Attending was the General Manager, the Assistant General Manager of the Business Division, the two Customer Service Representative. Only one customer from the

District attended, but the Expo was very informative and enjoyed by District Staff that attended.

It would make no sense to advertise for incentives on programs with no funding available. Therefore the District will be seeking a reallocation of funds in this line item to be reallocated to some of the more successful residential programs which have depleted funds and have additional request for incentives.

The District would like to continue with the pamphlet produced by Soleil Communications and do two-mailer one to introduce the programs available in 2007 and another to showcase Commercial/Industrial projects that have been completed and the incentives available to that classification later in the year. The total cost of doing a pamphlet and mailing it is around \$7,000. The District has found that this has been a great way to get the customers to respond to the programs.

Samples of the previous mailers sent to customers will be included in this filing.

4. Consultation Fees: \$1000

National Grid and RISE continue to provide verification of savings on commercial and industrial projects. This line item will remain at \$1000.

5. Burrillville High School Project: \$8000

Pascoag is requesting a budget of \$8000 for various conservation projects with the students of Burrillville High School. This partnership, now in its sixth year, and continues to be the most enjoyable and educational programs that the District offers.

Over the years Pascoag has assisted with the purchase of video and computer equipment and up-grades to software which in return is used to create conservation videos, logos, and animated characters encouraging energy conservation.

Last year the students packaged a "Do-It-Yourself" Home Energy Audit Kit. Included with the kits was a video created by the students showing how to install the various items included in the kit. The students were able to present their final results, in the Districts new Training Room in May 2006, to the staff and several Commissioners from Pascoag Utility District, a member of the Town Council and several members the RIPUC. The presentation was followed by a cookout in appreciation for all their hard work.

The District would like to continue this relationship again this year. Charles Boucher will be breaking up his students into groups and creating Energy Conservation Flyers to be included with the customers bills. They will target the different seasons and the types of things a customer can do to conserve on their energy bills. They will also be working on Energy Conservation Posters which will be displayed in the District office and at the various community events that the District attends.

This is a win-win situation for both the students who continue to need equipment and software upgrades for the various classes and the greatest

benefit is to the District's customers who are the target for exposure to the DSM programs.

6. Community Projects: \$5000

Pascoag Utility District continues to be a very active community member. The District participates in various community events throughout the year. These events are a valuable way for the District staff to promote the DSM programs and get feed back from the customers.

The District attended the Burrillville Senior's Prom which is an event hosted by the students of Burrillville High School for the senior citizens and the Family Fair which is held by Burrillville Parks and Recreation. In addition to these events the District plans on attending the elementary schools in October to discuss electric conservation and safety.

This budget will be used again this year to pay staff time and purchase fulfillment materials, such as night lights, refrigerator thermostats, and other conservation materials which will to be given away at the various events.



Pascoag Utility District
Demand Side Management Programs - 2006

	<u>Actual</u>
Estimated carry over from 2005	\$59,593
Estimated sales for 2006	\$109,700
Net 2006 budget	\$169,293

	<u>Approved</u>	<u>Spent</u>	<u>Balance</u>
	<u>2006</u>		
<u>Residential Program</u>			
DR0601 ENE Residential Conservation (ENE)	\$ 1,800	\$ 1,350	\$ 450
DR0602 Home Energy Audits with Incentives	\$ 4,000	\$ 1,400	\$ 2,600
DR0603 Energy Star Appliance Rebates	\$ 9,000	\$ 9,000	-
DR0604 Energy Efficient Windows/Doors	\$ 5,000	\$ 5,000	-
DR0605 Heating System Incentive	\$ 3,500	\$ 3,500	-
DR0606 Energy Star Thermostats/Lighting	\$ 500	\$ 472	\$ 28
DR0607 Home Office Equipment/Home Electronics	\$ 500	\$ 486	\$ 14
DR0608 Incentive for Electric Heat	\$ 700	-	\$ 700
Net Residential	\$ 25,000	\$ 21,208	\$ 3,792
<u>Industrial/Commercial</u>			
DI0601 Callahan School Project	\$ 61,233	\$ 42,914	\$ 18,320
DI0602 Energy Star Incentive - Office Equipment	\$ 1,000	\$ 516	\$ 484
DI0603 Burrillville Community Library	\$ 20,000		\$ 20,000
DI0604 Pascoag Well Project	\$ 3,000		\$ 3,000
DI0605 New Construction	\$ 17,360	\$ 7,175	\$ 10,185
Net Industrial/Commercial	\$ 102,593	\$ 50,605	\$ 51,988
<u>Administrative/Ad/Education</u>			
DA0601 Administrative	\$ 11,000	\$ 5,530	\$ 5,470
DA0602 Funds for Follow-up to Successful Programs	\$ 500		\$ 500
DA0603 Outreach/Education	\$ 14,000	\$ 9,649	\$ 4,351
DA0604 Consultation fees with National Grid	\$ 1,000		\$ 1,000
DA0605 BHS Project	\$ 8,000	\$ 6,646	\$ 1,354
DA0606 Community Projects	\$ 5,000	\$ 4,716	\$ 284
DA0607 Calendar	\$ 2,200	\$ 2,200	-
Net Administrative/Ad/Education	\$ 41,700	\$ 28,742	\$ 12,958
Total suggested DSM 2006 Budget	\$ 169,293	\$ 100,555	\$ 68,739

Detailed Expenses 2006

	<u>Actual Expenses</u>
<u>Residential Program</u>	
DR0601 ENE Residential Conservation (ENE)	\$ 1,350.00
DR0602 Home Energy Audits with Incentives	\$ 1,400.00
DR0603 Energy Homes/Energy Star Rebates	\$ 9,000.00
DR0604 Energy Efficient Windows/Doors	\$ 5,000.00
DR0605 Heating System Incentive	\$ 3,500.00
DR0606 Energy Star Thermostats/Lighting	\$ 472.00
DR0607 Home Energy Equipment/ Home Electronics	\$ 485.71
DR0608 Incentive for Electric Heat	\$ -
Total Residential	\$ 21,207.71
<u>Industrial/Commercial</u>	
D10601 Callahan School Project	\$ 42,913.50
D10602 Energy Star Incentive - Office Equipment	\$ 516.22
D10603 Burrilville Community Library	\$ -
D10604 Pascoag Well Project	\$ -
D10605 New Construction	\$ 7,175.00
Total Industrial/ Commercial	\$ 50,604.72
<u>Administrative</u>	
DA0601 Administrative	\$ 5,530.24
DA0602 Funds for Follow-up to Successful Programs	\$ -
DA0603 Outreach/Education	\$ 9,649.13
DA0604 Consultation fees with National Grid	\$ -
DA0605 BHS Project	\$ 6,646.47
DA0606 Community Projects	\$ 4,716.41
DA0607 Calendar	\$ 2,200.00
Total Administrative	\$ 28,742.25
Total Expenses through October 2006	\$ 100,554.68



Calculations of Energy Savings for Energy Star Incentives(1)

<u>Appliance</u>	<u>Specifications</u>	<u>Monthly hours Operation</u>	<u>Monthly kwhr use</u>	<u>Annual kwhr use</u>	<u>Units w/ Incentives</u>	<u>Total annual</u>
Air Conditioner	6000 BTU 500 watts	165	83 74	990 892	Standard EnergyStar	35 3430
Clothes Washer	Large Capacity	23	12 11	144 132	Standard EnergyStar	33 396
Dish washer	13,000 Watts	24	31 25	372 300	Standard EnergyStar	20 1440
Refrigerator	6-15 years old 17CF, frost free	245	147 103	1764 1236	Standard EnergyStar	24 12672
Dehumidifer	Large capacity 650 Watts	340	221 166	2652 1992	Standard EnergyStar	11 7260
Total Average kwhrs Savings						25,198

(1) From www.pud-ri.org "Energy Calculator"

2006 Appliance savings

Pascoag Utility District
Savings Associated with completed conservation Projects for 2006

<i>Project</i>	<i>Date Completed</i>	<i>Kw Savings</i>	<i>kWh Savings</i>	<i>Dollars (\$0.14kwhr)</i>
<i>William L Callahan School</i>	<i>October 2006</i>	<i>19.5</i>	<i>76,598</i>	<i>\$10,723.72</i>



**Pascoag Utility District- Electric Department (“Department”)
Demand Side Management Charge**

The following provisions will be apply to reflect charges collected under the Demand Side Management Program, pursuant to “An Act Relating to the Utility Restructuring Act of 1996”, #96-H 8124 Substitute B, Section 39-2-1.2(b).

The District proposes to include a charge of 2.3 mills per kilowatt-hour delivered to fund a demand side management program and renewable energy resources. The allocation of this revenue between demand side management programs and renewable energy resources shall be determined by the Commission.

The District will submit semi-annual reports to the Commission documenting funds collected and expended. In the event that revenue collected over or under anticipated revenue, the Department shall apply to the Commission for an annual “true-up”.

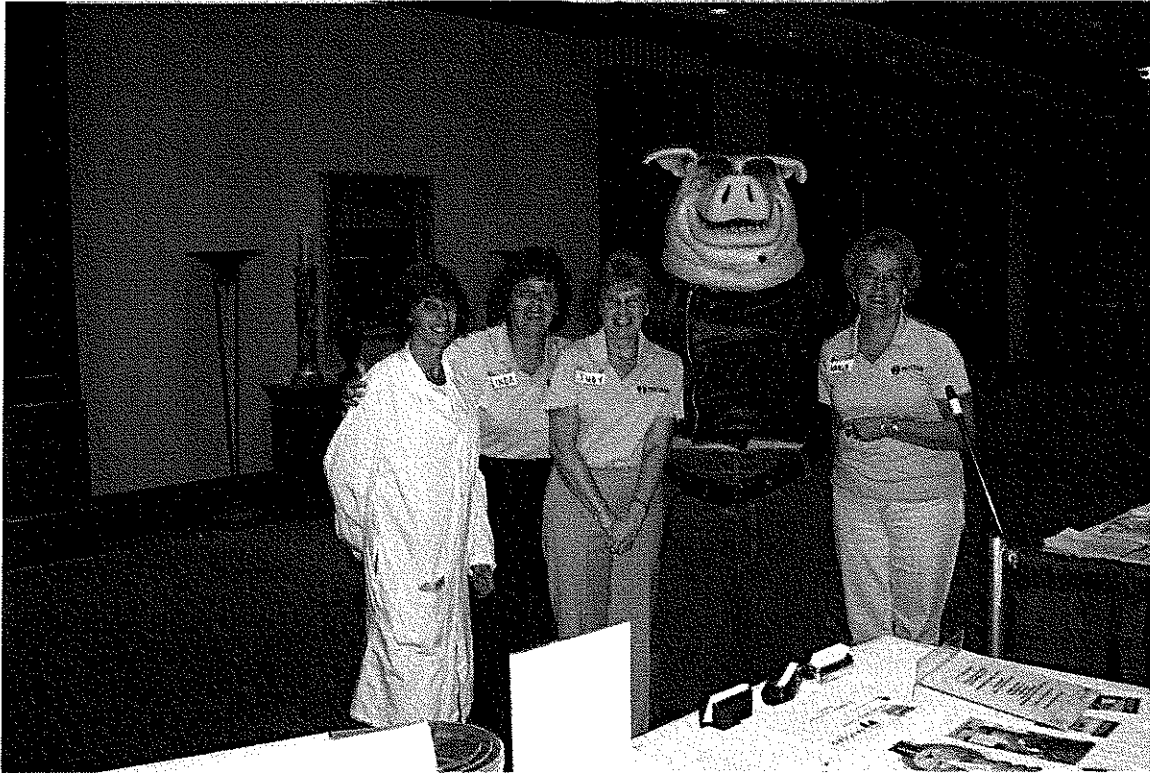
Approval Issued:

Requested Effective Date: January 1, 1998

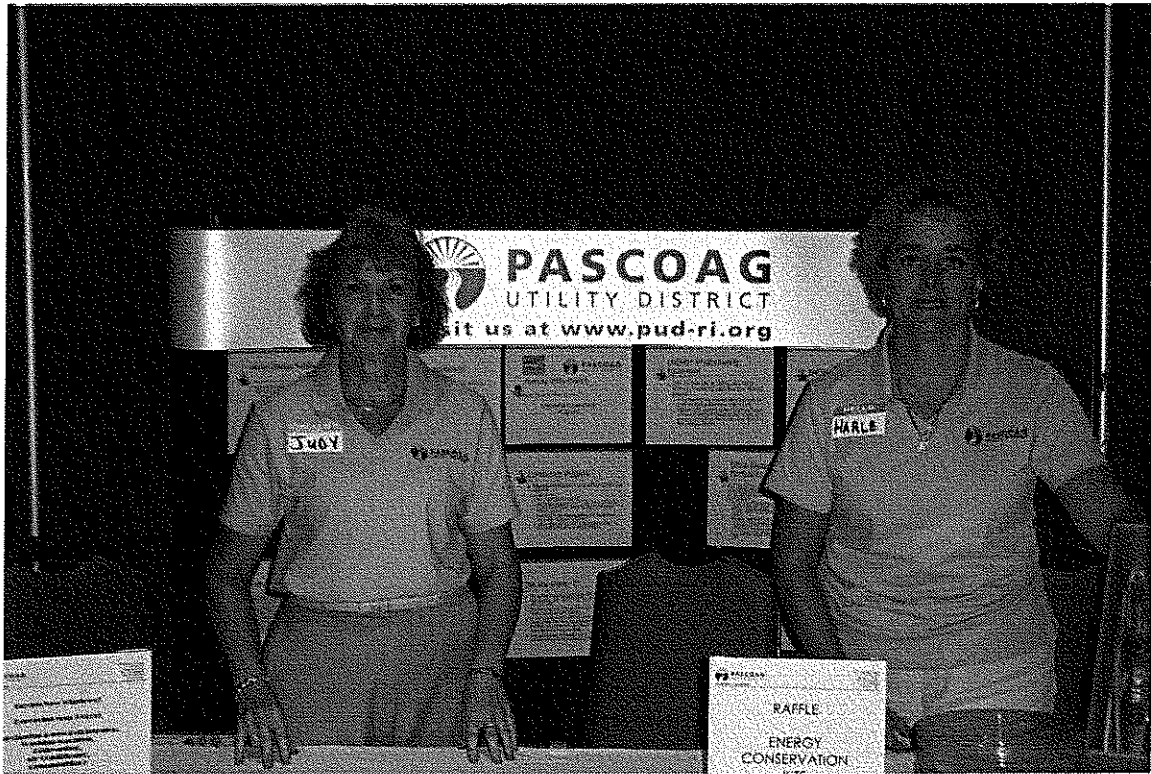
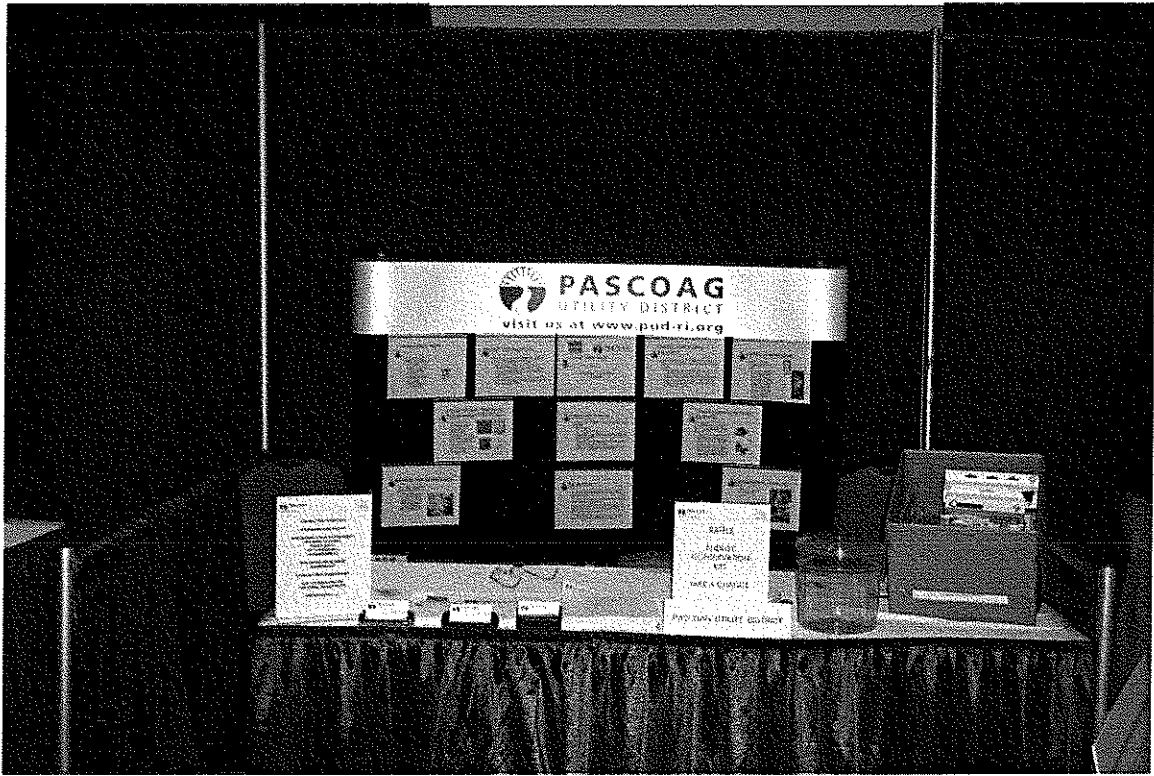
Approval Date: March 20, 1998

G

*RI DOE's Energy Expo in Warwick RI
October 1, 2006*



Linda, Judy, and Harle with the Energy Hog.

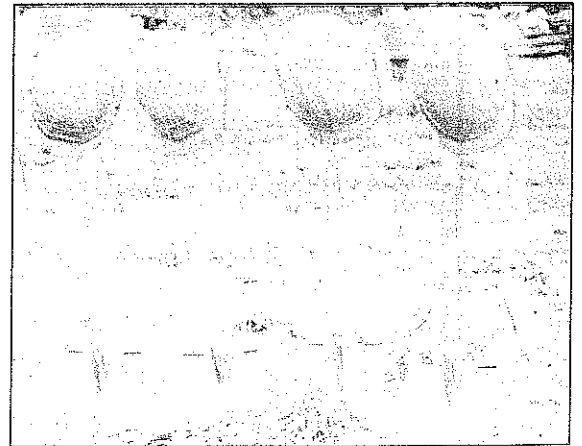
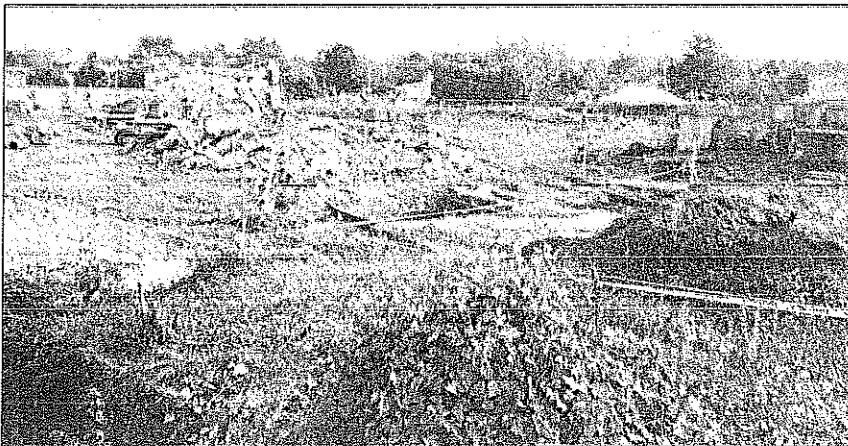
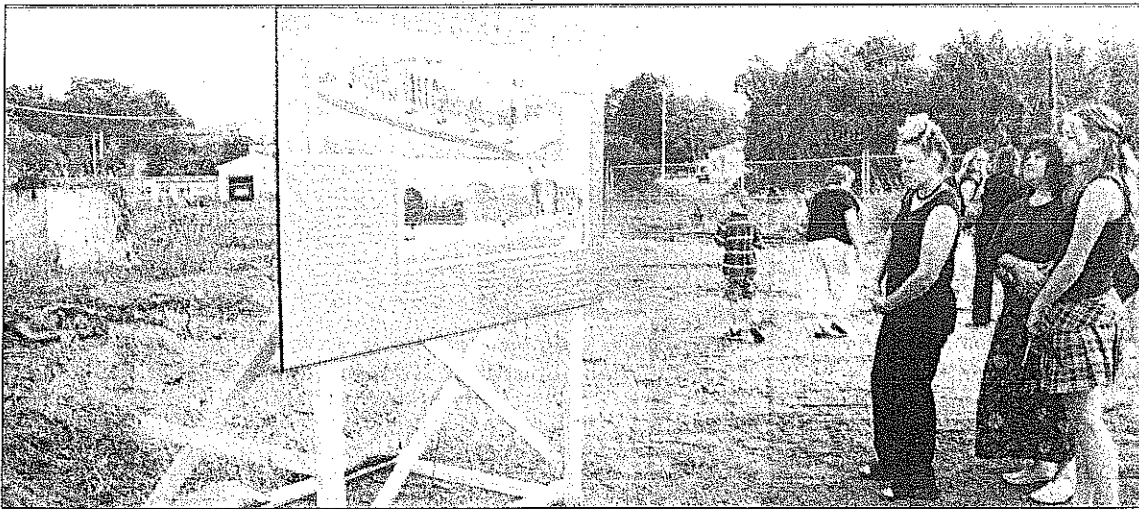


JESSE M. SMITH MEMORIAL LIBRARY GROUNDBREAKING

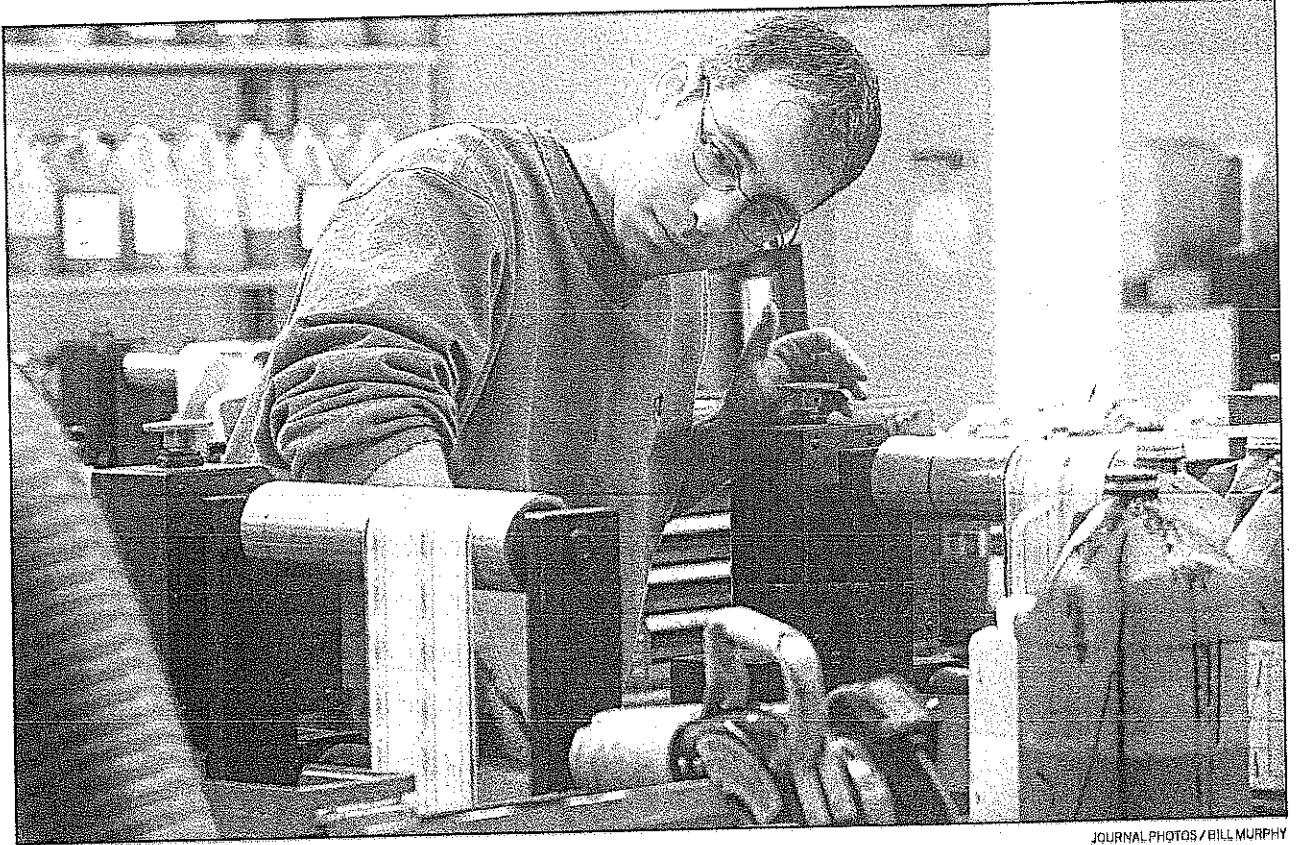


Breaking new ground

Neighbors photos/Dennis Malboeuf
 On Sunday, Sept. 24, the groundbreaking ceremony for the new Jesse M. Smith Memorial Library was held at 4 p.m. at the Stillwater Mill Complex in Harrisville. The event was free and open to the public. Sen. Jack Reed was the keynote speaker.
 The new library has been planned for over a decade. The hope is that it will revitalize the Stillwater Mill complex.
 Burrillville voters approved of the funding on Nov. 2, 2004, in a townwide referendum.
 A contract was awarded this summer to E.W. Burman Construction Company in Warwick. The new library, expected to open in 2008, will have 24,000 square feet and the latest library technology.
 Pictured above, from left, Carol Goldsberry Tucker (chief, Brownfields section), Jay Litman (architect), Sen. Lincoln Chafee, Beth Perry (office of library and information services), Edward W. Burman Jr., Wallace F. Lees (Town Council president), Rep. Raymond Church, Rep. Edwin Pacheco, Tom Kravitz (town planner), and Rep. Paul Fogarty participate in the groundbreaking ceremony. Next, Burrillville residents look at the sign depicting an architectural rendering of the new Jesse M. Smith Library in Burrillville. Then, an overview of the construction site. Lastly, a close-up view of the "golden shovels" that were used in the groundbreaking ceremony, with the hard hats that the participants wore.



BOOMING LABELS



JOURNAL PHOTOS / BILL MURPHY

Aaron Sharrow, above, of Woodstock, Conn., an employee of GS Inc., checks a run of labels as they go through the press. Below, printed labels roll off the press at the manufacturing plant in Burrillville.



Firm expands at Burrillville Industrial Park

GS Inc. is adding a warehouse and hopes to double business at its South Main Street facility.

BY ARTHUR KIMBALL-STANLEY
JOURNAL STAFF WRITER

BURRILLVILLE — Burt Mounford, the owner of GS Inc., a label manufacturer, says business is booming, and his current facility is not large enough to meet increasing demand.

Mounford is planning to add a new warehouse, which might double his business.

Business expansions like these, town officials say, are critical to keeping the tax base diverse and property taxes low.

"The reason you want business and industry is to offset the residential tax base," Town Manager Michael Wood said. "Businesses don't have children

"The reason you want business and industry is to offset the residential tax base."

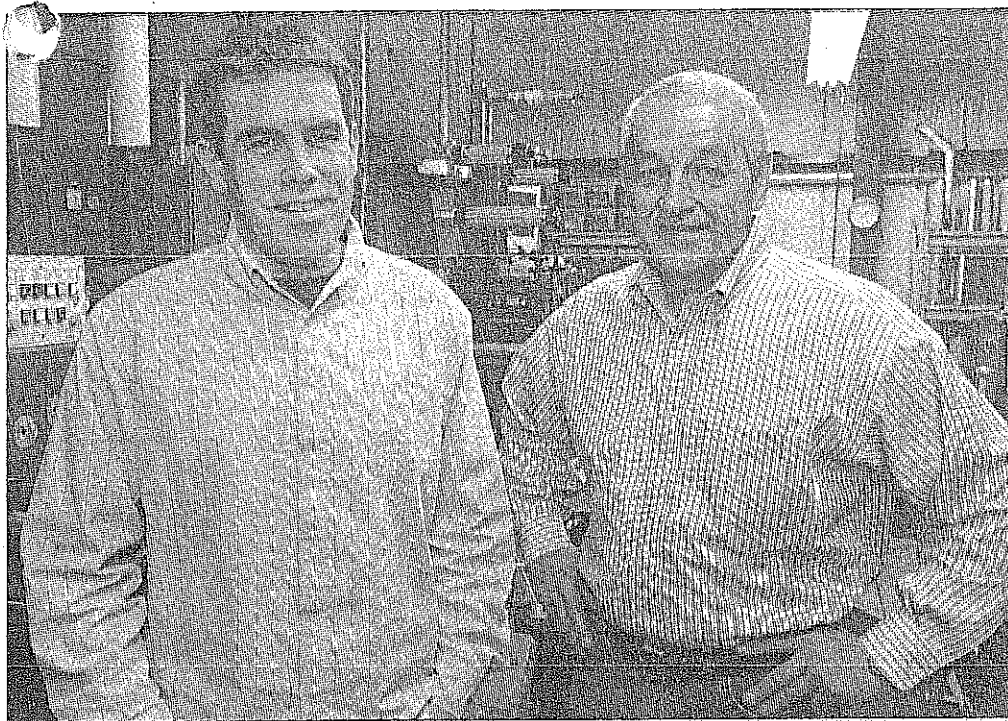
MICHAEL WOOD
Burrillville town manager

attending schools, and they don't use nearly as many of the resources of the community," Mounford said he moved the business from Smithfield to South Main Street at the Burrillville Industrial Park about 11 years ago.

"For us it was the location that brought us to town," Mounford said. "We wanted somewhere that was suitable price-wise and size-wise ... somewhere that would allow us to expand."

About 40 percent of the company's employees live in town, according to Mounford. "The town has a

SEE LABELS, C2



JOURNAL PHOTOS / BILL MURPHY

Burt Mountford, right, the owner of GS Inc., runs the labeling business with the help of his son, Jason, left. At right, is a sample label produced at the Burrillville plant, which the Mountfords are looking to expand.



Labels

Continued from Page C1

good labor force; a lot of really good people are local.

Walking around GS's manufacturing floor, it's easy to see why Mountford is looking to expand.

The business requires a large amount of paper. GS applies a client's information and designs

to the paper which has to be turned into labels and shipped out at a fairly rapid rate, Mountford said. The more space the company has for the raw paper, the more business it can do before having to ship it again.

Most of the labels the company produces are for Trader Joe's grocery market, said Mountford's son, Jason, who helps run the business. As more variety is introduced into the marketplace, man-

ufacturers are finding they need more diverse labels. That's where GS comes in.

"We've really had a lot of growth over the last few years, and as you can see, there is not a lot of floor space," Mountford said. "Because of the lack of space, we have to keep turning around and shipping stuff out again, ... Our warehouse is always busy."

The expansion will cost about

\$750,000, and there was some debate as to whether the expansion should happen all at once or a little at a time, Mountford said.

"The trend has been very positive over the last few years," he said. "We've had substantial growth. Let's just say I'll be very disappointed if that doesn't happen."

akstanle@projo.com / 401-277-7485



Home Office Equipment and Electronics Program

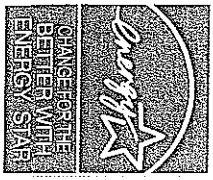
This new program offers incentives on home office equipment and electronics.

Look for the ENERGY STAR seal when you shop for new computers, fax machines, monitors, printers, televisions or other home electronics.

Incentives of 25%, up to \$50 per item are available on qualifying models.

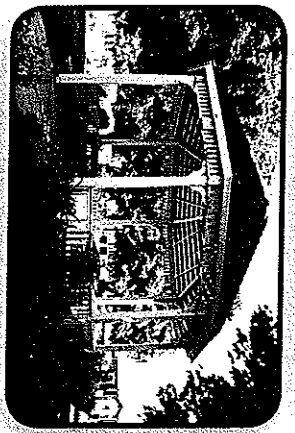
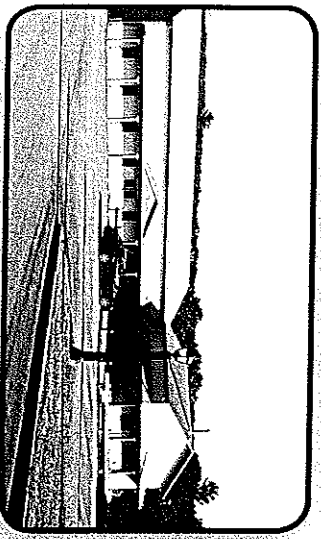


Questions? Call 1-888-772-4242 Monday to Friday, from 8 am to 5 pm to talk to a highly trained energy advisor.



PASCOAG UTILITY DISTRICT
P.O. Box 107 - Pascoag, RI 02859

RESIDENTIAL ENERGY CONSERVATION PROGRAMS



Presorted
First-Class Mail
US Postage Paid
Brockton, MA
Permit No. 402



PASCOAG
UTILITY DISTRICT

Your Partner in Saving Energy

CONSERVATION PROGRAMS

Overview

Pascoag Utility District offers a number of energy conservation programs to help our customers save energy and money.

In 2004, about two hundred of your neighbors took advantage of rebates on energy efficient appliances and windows.

Take advantage of these energy saving opportunities before the end of the year!

Energy Efficient Windows

This popular program is being offered again this year to our customers.

Each ENERGY STAR® qualified window is eligible for an incentive of \$25 per window, up to a total of twenty windows.

This year, an incentive is also available on ENERGY STAR qualified doors of \$50 each.

Call or stop by the District office to obtain the necessary forms.

Home Energy Audits

This innovative program offers a free energy assessment and a 10% rebate up to \$200 on any recommended energy efficiency improvements implemented.

You'll receive an in-depth summary of the audit results with suggested improvements.

Call 1-888-772-4242 for more details and to schedule an audit.

Energy Star Appliances

If you are planning to purchase new appliances, you may be able to take advantage of incentives on compliant ENERGY STAR models, up to \$100.

The District offers \$100 incentives for ENERGY STAR clothes washers and refrigerators you purchase.

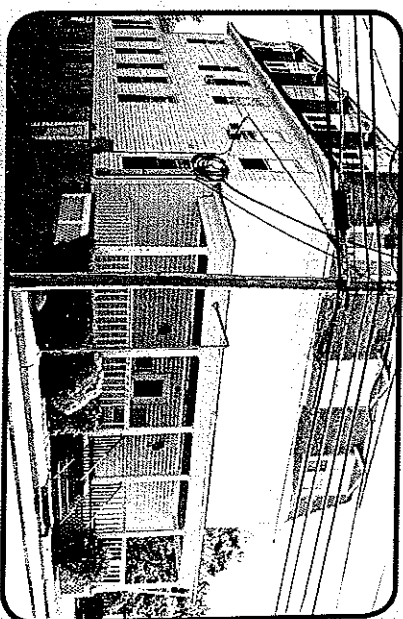
Dishwashers, air conditioners and dehumidifiers that are ENERGY STAR qualified are eligible for a \$50 incentive.

ENERGY STAR thermostats and lighting are also eligible for rebates of 50%.

Heating Systems

Now is the perfect time to consider upgrading your heating system to a model that qualifies for the ENERGY STAR seal.

Incentives of 10% up to a maximum of \$350 are offered to promote the installation of these ENERGY STAR qualified products.



**The former Pascoag Hotel with apartments converted from electric heat with financial assistance from Pascoag Utility District.*

Please call the District Office for more information before you make a purchase.

These offers are for a limited time, and subject to availability of funds.

All incentives are applied directly to your electric bill.

Visit www.pud-ri.org or call the number below for more information.



**This house features energy efficient doors and windows*



PASCOAG
UTILITY DISTRICT

Your Partner in Saving Energy

www.pud-ri.org

401.568.6222

Office Equipment and Home Electronics:

When upgrading your home office, make sure that your new equipment is ENERGY STAR qualified. Not only will you save energy, you'll also help the environment. If every home office was powered by equipment that is ENERGY STAR qualified, greenhouse gases would be reduced by over 289 billion pounds! If you're purchasing a new computer, fax, scanner, printer, television, DVD, or other home electronics, look for the ENERGY STAR logo. Pascoag Electric is offering incentives, up to \$50, on these items.

PRSR STD
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BROCKTON, MA
PERMIT NO. 402

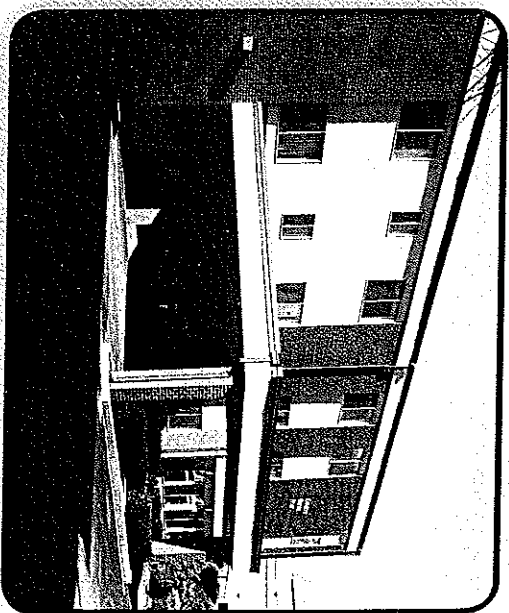


**Office with Energy Star equipment eligible for incentives.*

PASCOAG UTILITY DISTRICT
P.O. Box 107 - Pascoag, RI 02859



PASCOAG'S CONSERVATION PROGRAMS FOR 2006



**Overlook Nursing Home Administrator, Chuck Kenolan reviewing savings from installation of new energy efficient lighting with PUD Key Accounts representative Harle Round.*



PASCOAG
UTILITY DISTRICT

Your Partner in Saving Energy

CONSERVATION PROGRAMS

In 2006, Pascoag Electric offers several ways for customers to save money and energy. Incentives, offered on the purchase of ENERGY STAR qualified appliances, electronics, doors, windows, lighting, and heating equipment, save immediately on the up-front costs. Additionally, since these appliances are more efficient, you continue to save money and energy in monthly operating costs.



*Reviewing compact fluorescent lights, weatherstripping and insulation included in our Energy Conservation Kits.

Here are a few of the programs offered to residential customers:

Home Energy Audits:

Would you like to make your home more energy efficient but don't know where to begin? A good first step would be to have a complete home energy audit. One call, to a toll-free energy hot line, can start this process. Call 1-888-772-4242 for more information. If you implement any of the recommendations of the audit, you may also qualify for incentives of up to \$200.

ENERGY STAR Appliances:

When purchasing a new refrigerator, dish washer, clothes washer, dehumidifier, or air conditioner, look for the ENERGY STAR logo. These appliances

may qualify you for incentives ranging from \$50 to \$100. Call the District office before you buy to make sure that the appliances are ENERGY STAR qualified.

ENERGY STAR Windows and Doors:

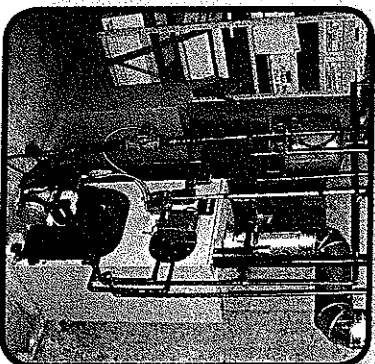
Planning home improvements this year? If you are installing new windows and doors, Pascoag offers incentives of \$25 per window (up to 20 windows) and \$50 per door (up to 2 doors) on ENERGY STAR qualified windows and doors. Before you buy, call the District office to find out the guidelines.

ENERGY STAR Heating Equipment:

Does the high cost of heating your home have you considering upgrading your heating system? If the answer is yes, call the District office before you purchase any heating equipment. Heating equipment that is ENERGY STAR qualified may entitle you to incentives up to \$350!

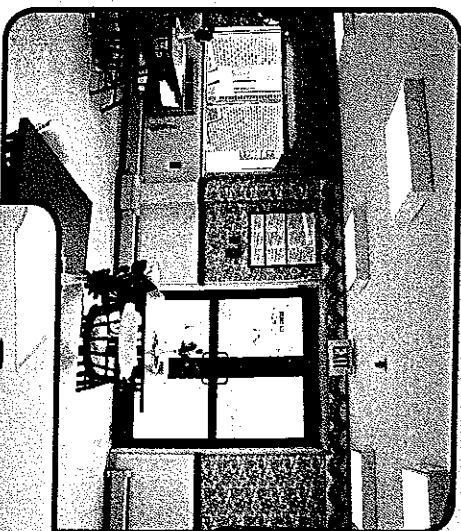


*Energy Efficient Boiler system eligible for incentives.



Energy Efficient Lighting and Programmable Thermostats:

If you will be purchasing ENERGY STAR lighting or ENERGY STAR programmable thermostats, you may qualify for an incentive of 50% of the total cost.



*Overlook Nursing Home with new energy efficient lighting fixtures



Please call the District office for more information before you buy. These offers are for a limited time only and are subject to fund availability. Visit www.pud-ri.org or call the number below for more information.

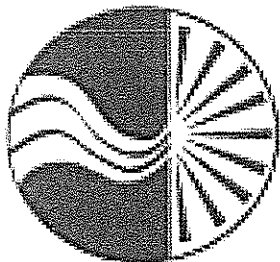


PASCOAG
UTILITY DISTRICT

Your Partner in Saving Energy

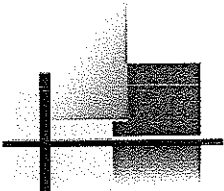
www.pud-ri.org

401.568.6222



PASCOAG
UTILITY DISTRICT

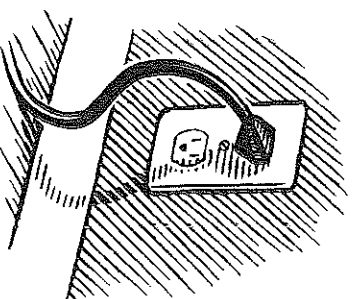
Pascoag Utility District



Residential Conservation Programs

Home Energy Audits

- Do you want to make your home more energy efficient, but don't know where to begin?
 - A good first step is a complete home energy audit.
 - The audit, FREE to the home owner is conducted by a certified energy expert.
 - After the audit, the home owner receives a comprehensive report detailing the audit findings. This report includes projected energy savings and costs.
 - If any of the audit recommendations, the home owner may qualify for incentives of up to \$200.





ENERGY STAR Appliances

- When purchasing new appliances, always look for the ENERGY STAR logo.
 - Pascoag Utility District offers incentives on qualifying refrigerators, dish washers, clothes washers, dehumidifiers, and air conditioners ranging from \$50 to \$100.
 - You'll continue to save money and energy each month since the ENERGY STAR qualified products are more energy efficient.

ENERGY STAR Windows

- Planning home improvements this year?
- If you are installing new windows and doors, Pascoag Utility District offers incentives of \$25 per window (up to 20 windows) and \$50 per door (up to 2 doors) on ENERGY STAR qualified windows and doors.



ENERGY STAR Heating

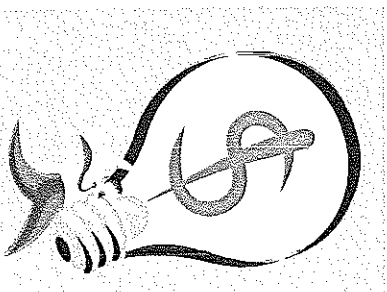
Equipment

- Does the high cost of heating your home have you considering upgrading your heating system?
 - If the answer is yes, Pascoag offers incentives on qualifying heating equipment of up to \$350.
 - ENERGY STAR qualified heating equipment has an annual fuel utilization efficiency rates of 90% or greater, making them about 15% more efficient than standard models.

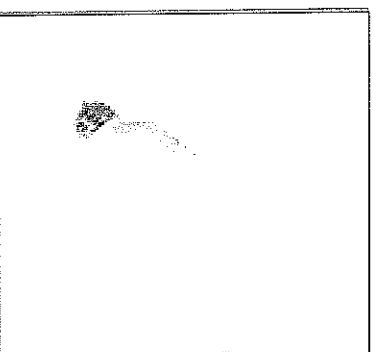
Energy Efficient Lighting and Programmable Thermostats

- If you will be purchasing ENERGY STAR lighting or ENERGY STAR programmable thermostats, you may qualify for incentives of 50% of the total cost.
- SAVE ENERGY – REPLACE OLD BULBS WITH COMPACT FLUORESCENTS!

Incandescent bulbs waste money and energy

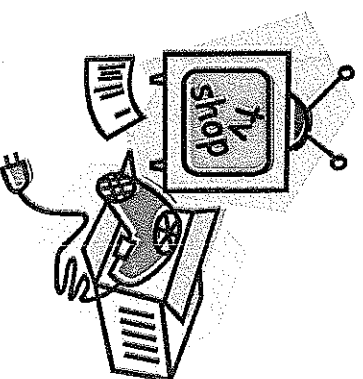
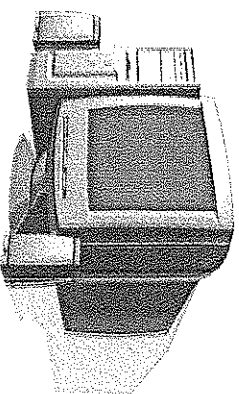


Compact Fluorescents bulbs Save money and energy



Office Equipment and Home Electronics

- When upgrading your home office, make sure that your new equipment has the ENERGY STAR logo. Not only will you save energy, you'll also help the environment.
- If every home office was powered by equipment that is has earned the ENERGY STAR logo, greenhouse gases would be reduced by over 289 billion pounds!
- The power management features on the energy efficient models allows the equipment to run less, thus reducing cooling costs in the home, and because it runs less, the equipment tends to last longer and have reduced maintenance costs.





Community Projects

- Pascoag Utility District is an active community member.
 - Family Fair
 - W L Callahan Harvest Fair
 - Burrillville "Seniors' Prom" – an event sponsored by Burrillville High School for the community's senior citizens
 - Downtown Pascoag Neighborhood Association Days and Victorian Christmas
 - Safety and conservation instructional classes for the town's elementary school children

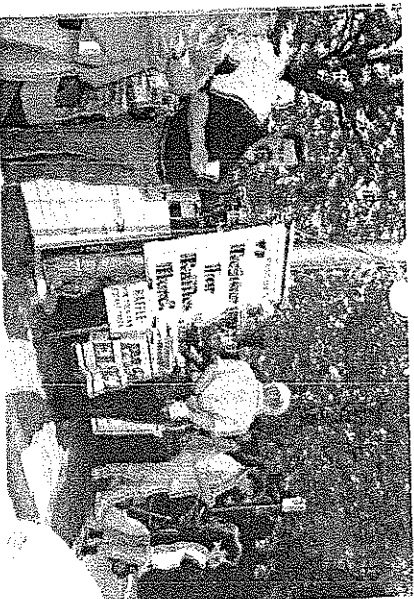
Burrillville High School Project

- Now in its fifth year, the partnership between Burrillville High School students and Pascoag Utility District continues stronger than ever.
 - Past projects include a safety/conservation video designed by the high school students. Pascoag used the video in presentations to community groups and elementary school children.
 - Do-it-yourself home energy kits containing conservation items such as window stripping, outlet insulation, energy efficient light bulbs, caulking, and other items along with an instructional video.
 - Design of an animated logo



Commitment to Community

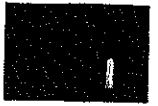
- Family Fair – at the Burrillville Town Common
- Speaker Program at Burrillville High School





Did you know...?

- The typical household spends \$1,900 annually on energy bills. With ENERGY STAR, you can save up to 30% per year.
- When you save energy at home, you help reduce the risks of global climate change.
- In the average home, 40% of all electricity used to power home electronics is consumed while the products are turned off. Across the U.S. this equals the output of 17 power plants.
- A programmable thermostat set and used properly can save about \$100 in energy costs per year.



Callahan School - Existing Condition
 75 Callahan School Ave
 Hartsville, RI 02830

EXISTING LIGHTING SYSTEM

Line Item	Location	Fixture Type	Existing Fixture	Fixt. Qty	Existing Hours	Watts	KW	KWH
1	BLDG. 1937 EXISTING - 1ST FL							
2	COMPUTER RM	B1	2L4' EE/EEMAG	15	4,000	70	1.05	4,200
3	CAFETERIA	B1	2L4' EE/EEMAG	22	4,000	70	1.54	6,160
4	SPECIAL NEEDS	B1	2L4' EE/EEMAG	8	4,000	70	0.56	2,240
5	HALL	B1	2L4' EE/EEMAG	1	4,000	70	0.07	280
6	TEACHERS LOUNGE	B1	2L4' EE/EEMAG	6	4,000	70	0.42	1,680
7	HALL	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
8	HALL	B2	3L4' EE/EEMAG	1	4,000	110	0.11	440
9	CORRIDOR	D1	2L4' EE/EEMAG	3	4,000	70	0.21	840
10	STAIRS	B1	2L4' EE/EEMAG	4	4,000	70	0.28	1,120
11	SPECIAL NEEDS	B1	2L4' EE/EEMAG	6	4,000	70	0.42	1,680
12	HALL/TOILET	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
13	2ND FL							
14	CORNER OFFICE	B1	2L4' EE/EEMAG	12	4,000	70	0.84	3,360
15	OFFICES (2)	B1	2L4' EE/EEMAG	6	4,000	70	0.42	1,680
16	SPECIAL NEEDS	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
17	SPECIAL NEEDS RESOURCE	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
18	MUSIC	B1	2L4' EE/EEMAG	12	4,000	70	0.84	3,360
19	GIRLS	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840

20	HALL/PASSAGE	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
21	HALL/PASSAGE	B2	3L4' EE/EEMAG	1	4,000	110	0.11	440
22	STAIRS (2)	B1	2L4' EE/EEMAG	4	4,000	70	0.28	1,120
23	BLDG. 1937 EXISTING - 2ND FL							
24	LOBBY	C1	4L4' EE/EEMAG	6	4,000	140	0.84	3,360
25	NURSE/PASSAGE	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
26	BOYS	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
27	TEACHERS WORKROOM	A1	2L8' EE/EEMAG	3	4,000	123	0.369	1,476
28	ASSEMBLY/GYM	A1	2L8' EE/EEMAG	10	4,000	123	1.23	4,920
29	3RD FL							
30	CLASSROOM	B1	2L4' EE/EEMAG	12	4,000	70	0.84	3,360
31	LIBRARY	B1	2L4' EE/EEMAG	24	4,000	70	1.68	6,720
32	CLASSROOM	B1	2L4' EE/EEMAG	12	4,000	70	0.84	3,360
33	BOYS	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
34	PSYCHOLOGIST	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
35	LOBBY	B1	2L4' EE/EEMAG	6	4,000	70	0.42	1,680
36	LOBBY	B2	3L4' EE/EEMAG	2	4,000	110	0.22	880
37	HALL	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
38	GIRLS	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
39	STAIRS (2)	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
40	CLASSROOMS (2)	B1	2L4' EE/EEMAG	24	4,000	70	1.68	6,720
41	CORRIDOR	B2	3L4' EE/EEMAG	2	4,000	110	0.22	880
42	CORRIDOR	D1	2L4' EE/EEMAG	3	4,000	70	0.21	840
43	EXIT SIGNS	E1	9W COMPACT HW	22	4,000	11	0.242	968
44	BLDG. 1973 EXISTING - 1ST FL							
45	WASH AREA	B1	2L4' EE/EEMAG	4	4,000	70	0.28	1,120

46	WASH AREA	D1	2L4' EE/EEMAG	3	4,000	70	0.21	840
47	STAIRS (2)	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
48	CORRIDOR	B2	3L4' EE/EEMAG	7	4,000	110	0.77	3,080
49	CORRIDOR	B3	1L4' EE/EEMAG	39	4,000	40	1.56	6,240
50	CORRIDOR	D1	2L4' EE/EEMAG	6	4,000	70	0.42	1,680
51	SPECIAL RESOURCES	B1	2L4' EE/EEMAG	4	4,000	70	0.28	1,120
52	CLASSROOMS (7)	B1	2L4' EE/EEMAG	126	4,000	70	8.82	35,280
53	MEN/WOMEN	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
54	SPECIAL NEEDS	B1	2L4' EE/EEMAG	3	4,000	70	0.21	840
55	STORAGE	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
56	MECH. ROOM	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
57	2ND FL							
58	WASH AREA	B1	2L4' EE/EEMAG	4	4,000	70	0.28	1,120
59	WASH AREA	D1	2L4' EE/EEMAG	3	4,000	70	0.21	840
60	STAIRS (2)	B1	2L4' EE/EEMAG	4	4,000	70	0.28	1,120
61	CORRIDOR	B2	3L4' EE/EEMAG	7	4,000	110	0.77	3,080
62	CORRIDOR	B3	1L4' EE/EEMAG	44	4,000	40	1.76	7,040
63	CORRIDOR	D1	2L4' EE/EEMAG	3	4,000	70	0.21	840
64	SPECIAL RESOURCES	B1	2L4' EE/EEMAG	4	4,000	70	0.28	1,120
65	CLASSROOMS (8)	B1	2L4' EE/EEMAG	144	4,000	70	10.08	40,320
66	STORAGE	B1	2L4' EE/EEMAG	2	4,000	70	0.14	560
67	EXIT SIGNS	E1	9W COMPACT HW	12	4,000	11	0.132	528
TOTALS				689			46	182,572

Callahan School - Proposed Condition
 75 Callahan Ave.
 Harrisville, RI 02830

PROPOSED LIGHTING SYSTEM

Line Item	Location	Fixture Type	Proposed Fixture Type	Fixt. Qty	Proposed Hours	Watts per Fixture	KW	KWH
1	BLDG. 1937 PROPOSED 1ST FL.	C1	NF 3L4' T8/E8LG 18 CELL	24	4,000	88	2.112	8,448
2	CAFETERIA	B1	NF 2L4' T8/E8LG SURFACE	1	4,000	60	0.06	240
3	TOILET	B1	NF 2L4' T8/E8LG SURFACE	1	4,000	60	0.06	240
4	JANITOR	C1	NF 3L4' T8/E8LG 18 CELL	5	4,000	88	0.44	1,760
5	TEACHERS LOUNGE	B1	NF 2L4' T8/E8LG SURFACE	3	4,000	60	0.18	720
6	STAIRS (2)	B1	NF 2L4' T8/E8LG SURFACE	1	4,000	60	0.06	240
7	RESOURCE	C1	NF 3L4' T8/E8LG 18 CELL	5	4,000	88	0.44	1,760
8	RESOURCE	C1	NF 3L4' T8/E8LG 18 CELL	5	4,000	88	0.44	1,760
9	CORRIDOR	C1	NF 3L4' T8/E8LG 18 CELL	5	4,000	88	0.44	1,760
10	STORAGE	C1	NF 3L4' T8/E8LG 18 CELL	6	4,000	88	0.528	2,112
11	2ND FL.							
12	CLASSROOM 102	B2	NF 3L4' T8/E8LG SURFACE 9 CELL	12	4,000	88	1.056	4,224
13	RESOURCE 103	B2	NF 3L4' T8/E8LG SURFACE 9 CELL	3	4,000	88	0.264	1,056
14	RESOURCE 102	B2	NF 3L4' T8/E8LG SURFACE 9 CELL	3	4,000	88	0.264	1,056
15	RESOURCE 139	B2	NF 3L4' T8/E8LG SURFACE 9 CELL	3	4,000	88	0.264	1,056
16	RESOURCE 138	B2	NF 3L4' T8/E8LG SURFACE 9 CELL	3	4,000	88	0.264	1,056
17	CLASSROOM 137	B2	NF 3L4' T8/E8LG SURFACE 9 CELL	12	4,000	88	1.056	4,224
18	LOBBY/VEST. 101	D1	NF 2L2' F40BX/E8LG	16	4,000	72	1.152	4,508
19	LOBBY/VEST. 101	I1	32W CF/HW	10	4,000	34	0.34	1,360
20	BOYS 108	B1	NF 2L4' T8/E8LG SURFACE	3	4,000	60	0.18	720
21	PASSAGE 105	B1	NF 2L4' T8/E8LG SURFACE	1	4,000	60	0.06	240
22	PARENTING CENTER 107	B1	NF 2L4' T8/E8LG SURFACE	4	4,000	60	0.24	960
23	BLDG. 1937 PROPOSED 2ND FL.							
24	STAIRS (2)	B1	NF 2L4' T8/E8LG SURFACE	4	4,000	60	0.24	960
25	PASSAGE 113	B1	NF 2L4' T8/E8LG SURFACE	1	4,000	60	0.06	240
26	GIRLS 136	B1	NF 2L4' T8/E8LG SURFACE	3	4,000	60	0.18	720
27	HALLWAY 114	B2	NF 3L4' T8/E8LG SURFACE 9 CELL	2	4,000	88	0.176	704
28	COMPUTER LAB 108	C1	NF 3L4' T8/E8LG 18 CELL	1	4,000	88	0.088	352
29	COMPUTER LAB 108	D1	NF 2L2' F40BX/E8LG	10	4,000	72	0.72	2,880
30	TEACHERS WORKROOM	I1	32W CF/HW	3	4,000	34	0.102	408
31	RESOURCE	C1	NF 3L4' T8/E8LG 18 CELL	2	4,000	88	0.176	704
32	OFFICE	C1	NF 3L4' T8/E8LG 18 CELL	2	4,000	88	0.176	704

33	MEDIA CENTER 109	D1	NF 2L2' T8/EU/SURFACE	28	4,000	72	2.016	8,064
34	STORAGE 110	B1	NF 2L4' T8/EU/SURFACE	1	4,000	60	0.06	240
35	STAIRS	B1	NF 2L4' T8/EU/SURFACE	2	4,000	60	0.12	480
36	3RD FL							
37	ART CLASSROOM	B2	NF 3L4' T8/EU/SURFACE 9 CELL	18	4,000	88	1.584	6,336
38	RESOURCE RMS 203-205	B3	NF 2L4' T8/EU/SURFACE	3	4,000	60	0.18	720
39	PRACTICE RM 232A	B3	NF 2L4' T8/EU/SURFACE	1	4,000	60	0.06	240
40	HALL	C1	NF 3L4' T8/EU/SURFACE 18 CELL	4	4,000	88	0.352	1,408
41	RESOURCE RM 202	B3	NF 2L4' T8/EU/SURFACE	2	4,000	60	0.12	480
42	MUSIC CLASSROOM	B2	NF 3L4' T8/EU/SURFACE 9 CELL	15	4,000	88	1.32	5,280
43	GIRLS	B1	NF 2L4' T8/EU/SURFACE	3	4,000	60	0.18	720
44	HALLWAY 212	B3	NF 2L4' T8/EU/SURFACE	2	4,000	60	0.12	480
45	BLDG. 1997 PROPOSED 3RD FL							
46	PASSAGE 231/207	B1	NF 2L4' T8/EU/SURFACE	2	4,000	90	0.12	480
47	PASSAGE 231/207	B2	NF 3L4' T8/EU/SURFACE 9 CELL	2	4,000	88	0.176	704
48	HALLWAY 213	C1	NF 3L4' T8/EU/SURFACE 18 CELL	6	4,000	88	0.528	2,112
49	STAIRS 214	B1	NF 2L4' T8/EU/SURFACE	2	4,000	80	0.12	480
50	STAIRS A + B	B1	NF 2L4' T8/EU/SURFACE	4	4,000	60	0.24	960
51	CORRIDOR	C1	NF 3L4' T8/EU/SURFACE 18 CELL	6	4,000	88	0.528	2,112
52	CLASSROOMS 210/211	B2	NF 3L4' T8/EU/SURFACE 9 CELL	24	4,000	88	2.112	8,448
53	RESOURCE RM 209	B2	NF 3L4' T8/EU/SURFACE 9 CELL	2	4,000	88	0.176	704
54	BOYS	B1	NF 2L4' T8/EU/SURFACE	3	4,000	60	0.18	720
55	EXIT SIGNS	E1	1.5 WATT LED	40	4,000	1.5	0.06	240
56	BLDG. 1973 PROPOSED 1ST FL							
57	WASH AREA 126	C1	NF 3L4' T8/EU/SURFACE 18 CELL	2	4,000	88	0.176	704
58	STAIRS 105	B1	NF 2L4' T8/EU/SURFACE	2	4,000	80	0.12	480
59	CORRIDOR 127	C1	NF 3L4' T8/EU/SURFACE 18 CELL	13	4,000	88	1.144	4,576
60	RM OFF CONF. RM 121	C1	NF 3L4' T8/EU/SURFACE 18 CELL	1	4,000	88	0.088	352
61	LOBBY	B4	NF 1L4' T8/EU/SURFACE COVE	10	4,000	30	0.3	1,200
62	LOBBY	I1	32W CFI HW	14	4,000	34	0.476	1,904
63	CORRIDOR 116	C1	NF 3L4' T8/EU/SURFACE 18 CELL	7	4,000	88	0.616	2,464
64	STAIRS 104	B1	NF 2L4' T8/EU/SURFACE	2	4,000	60	0.12	480
65	2ND FL							
66	CORRIDOR 220	C1	NF 3L4' T8/EU/SURFACE 18 CELL	15	4,000	88	1.32	5,280
67	WASH AREA 219	C1	NF 3L4' T8/EU/SURFACE 18 CELL	2	4,000	88	0.176	704
68	TOILET 218A	C1	NF 3L4' T8/EU/SURFACE 18 CELL	1	4,000	88	0.088	352
69	STAIRS 215	B1	NF 2L4' T8/EU/SURFACE	2	4,000	60	0.12	480
70	EXIT SIGNS	E1	1.5 WATT LED	13	4,000	1.5	0.0195	78
TOTALS				403			26.5	105,974

FIGURE TYPE

B1	NF - 2L4' TR/ELIG SURFACE MOUNT	45
B2	NF - 3L4' TR/ELIG SURF 9 CELL PARABOLIC	99
B3	NF - 2L4' TR/ELIG SURFACE MOUNT	8
B4	NF - 1L4' TR/ELIG COVE	10
C1	NF - 3L4' TR/ELIG SURF 18 CELL PARABOLIC	107
D1	NF - 2L2' F40 BIX/ELIG DIRECT/INDIRECT	54
E1	NF - 1.5W LED EXIT SIGN	53
I1	NF - 32W CF/HV	27

CALLAHAN SCHOOL - BLDG. 2005 ADDITIONS
 75 CALLAHAN SCHOOL AVE.
 HARRISVILLE, RI 02830

PROPOSED LIGHTING SYSTEM									
Line Item	Location	Fixture Type	Proposed Fixture Type	Fixt. Qty	Proposed Hours	Watts per Fixture	KW	KWH	
1	BLDG. 2005 - ADDITIONS								
2	FIRST FLOOR								
3	RM 134A - PRINCIPAL OFFICE	D1	NF 2L2 F40BX/ELIG	6	4,000	72	0.432	1,728	
4	RM 134 - ADMIN. OFFICE	D1	NF 2L2 F40BX/ELIG	11	4,000	72	0.792	3,168	
5	RM 133 - VESTIBULE	I1	32W CF/HW	2	4,000	34	0.068	272	
6	CORRIDOR - 132	C1	NF 3L4 T8/ELIG 18 CELL	3	4,000	88	0.264	1,056	
7	NURSE - 134C	C1	NF 3L4 T8/ELIG 18 CELL	5	4,000	88	0.44	1,760	
8	NURSE - 134C	D2	NF 2L4 T8/ELIG U/B	2	4,000	60	0.12	480	
9	ELECTRICAL RM. - 115A	A1	NF 2L4 T8/ELIG STRIP	1	4,000	60	0.06	240	
10	STORAGE - 115B	A1	NF 2L4 T8/ELIG STRIP	2	4,000	60	0.12	480	
11	TOILET - 115C								
12	OFFICE - 115D	C1	NF 3L4 T8/ELIG 18 CELL	1	4,000	88	0.088	352	
13	GYM - 115	H1	250W METAL HALIDE	24	4,000	295	7.08	28,320	
14	SECOND FLOOR								
15	SCIENCE LAB - 227	D2	NF 2L4 T8/ELIG U/B	16	4,000	60	0.96	3,840	
16	RESOURCE 228	C1	NF 3L4 T8/ELIG 18 CELL	5	4,000	88	0.44	1,760	
17	SOLARIUM 227A	A2	NF 3L4 T8/ELIG	4	4,000	88	0.352	1,408	
18	EXIT SIGNS	E1	1.5 WATT LED	12	4,000	1.5	0.018	72	
									TOTALS
				94			11.2	44,936	

Fixture Type	Material Cost	Labor cost	Install Cost	40% Rebate per New Fixture	Qty of Fixtures	Total Rebate from Pascoag Utility District
A	\$ 74.00	\$ 71.80	\$ 145.80	\$ 58.32	83	\$ 4,840.56
AE	\$ 118.00	\$ 71.80	\$ 189.80	\$ 75.92	51	\$ 3,871.92
B	\$ 62.00	\$ 71.80	\$ 133.80	\$ 53.52	16	\$ 856.32
BE	\$ 128.00	\$ 71.80	\$ 199.80	\$ 79.92	2	\$ 159.84
C	\$ 40.00	\$ 71.80	\$ 111.80	\$ 44.72	2	\$ 89.44
D	\$ 79.00	\$ 143.60	\$ 222.60	\$ 89.04	97	\$ 8,636.88
DE	\$ 141.00	\$ 143.60	\$ 284.60	\$ 113.84	4	\$ 455.36
F	\$ 96.00	\$ 71.80	\$ 167.80	\$ 67.12	58	\$ 3,892.96
FE	\$ 156.00	\$ 71.80	\$ 227.80	\$ 91.12	13	\$ 1,184.56
G	\$ 135.00	\$ 71.80	\$ 206.80	\$ 82.72	6	\$ 496.32
GE	\$ 190.00	\$ 71.80	\$ 261.80	\$ 104.72	2	\$ 209.44
H	\$ 70.00	\$ 71.80	\$ 141.80	\$ 56.72	39	\$ 2,212.08
HE	\$ 124.00	\$ 71.80	\$ 195.80	\$ 78.32	4	\$ 313.28
J	\$ 236.00	\$ 215.40	\$ 451.40	\$ 180.56	13	\$ 2,347.28
J1	\$ 285.00	\$ 215.40	\$ 500.40	\$ 200.16	8	\$ 1,601.28
K	\$ 350.00	\$ 143.60	\$ 493.60	\$ 197.44	4	\$ 789.76
L	\$ 334.00	\$ 35.90	\$ 369.90	\$ 147.96	4	\$ 591.84
M	\$ 117.00	\$ 143.60	\$ 260.60	\$ 104.24	24	\$ 2,501.76
ME	\$ 230.00	\$ 143.60	\$ 373.60	\$ 149.44	11	\$ 1,643.84
N	\$ 295.00	\$ 143.60	\$ 438.60	\$ 175.44	7	\$ 1,228.08
P	\$ 100.00	\$ 71.80	\$ 171.80	\$ 68.72	6	\$ 412.32
Q	\$ 42.00	\$ 71.80	\$ 113.80	\$ 45.52	7	\$ 318.64
Q1	\$ 43.00	\$ 71.80	\$ 114.80	\$ 45.92	3	\$ 137.76
R	\$ 35.00	\$ 71.80	\$ 106.80	\$ 42.72	4	\$ 170.88
X	\$ 84.00	\$ 35.90	\$ 119.90	\$ 47.96	64	\$ 3,069.44
XD	\$ 90.00	\$ 71.80	\$ 161.80	\$ 64.72	3	\$ 194.16
EBU	\$ 68.00	\$ 71.80	\$ 139.80	Exterior Lights	45	Not Eligible
DBL RH	\$ 38.00	\$ 71.80	\$ 109.80	Exterior Lights	10	Not Eligible
SL2	\$ 1,002.00	\$ 143.60	\$ 1,145.60	Exterior Lights	5	Not Eligible
SL3	\$ 509.00	\$ 143.60	\$ 652.60	Exterior Lights	3	Not Eligible
Total:					598	\$ 42,226.00

441 PULASKI BLVD, BELLINGHAM, MA 02019
 TEL: 508-876-1005 FAX: 508-876-1007

Attn: BRUCE
 ENERGY ELECTRIC
 Quoted by: Michael Devine

Project: CALLAHAN SCHOOL

Fixture qty.	Fixture type	Lamp qty. per fixture	Lamp designation	Fixture mfr.	Fixture catalog no.	and/or misc. notes	Unit price	Extended price
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83	A	3	F32T8	COLUMBIA	P4D24-332G-MA36-S-EB8120V		\$ 74.00	\$ 6,142.00
51	AE	3	F32T8	COLUMBIA	P4D24-332G-MA36-S-EB8120V-EL		\$ 118.00	\$ 6,018.00
16	B	2	U6T8	COLUMBIA	P4D22-232U6G-MA33-S-EB8120V		\$ 62.00	\$ 992.00
2	BE	2	U6T8	COLUMBIA	P4D22-232U6G-MA33-S-EB8120V-EL		\$ 128.00	\$ 256.00
2	C	2	F32T8	LITHONIA	ZGTB332A121201/3EBLB30		\$ 40.00	\$ 80.00
2	D	3	F32T8	COLUMBIA	P414-332SM-MA19-S-EB8120V		\$ 79.00	\$ 7,663.00
4	DE	3	F32T8	COLUMBIA	P414-332SM-MA19-S-EB8120V-EL		\$ 141.00	\$ 564.00
58	F	2	BX40	COLUMBIA	STF22-240TTG-MPO-EBTT120V		\$ 96.00	\$ 5,568.00
13	FE	2	F32T8	COLUMBIA	STR14-232SM-MPO-EB8120V		\$ 156.00	\$ 2,028.00
6	G	2	F32T8	COLUMBIA	STR14-232SM-MPO-EB8120V-EL		\$ 135.00	\$ 810.00
2	GE	2	F32T8	COLUMBIA	STR14-232SM-MPO-EB8120V-EL		\$ 190.00	\$ 380.00
39	H	2	F32T8	COLUMBIA	W4-232-EB8120V		\$ 70.00	\$ 2,730.00
4	HE	2	F32T8	COLUMBIA	W4-232-EB8120V		\$ 124.00	\$ 496.00
13	J	1	MH250	HUBBELL	BL-250-H-8-HGE-16-WH-HG-FWG		\$ 236.00	\$ 3,068.00
8	J1	1	MH250/QTZ	HUBBELL	BL-250-H-8-HGE-16-WH-QST-HG-FWG		\$ 285.00	\$ 2,280.00
4	K	6	F32T8	ALERA	MS6-1A1U2D18WM-WCB-EB8-120V-MV-8FT-SGL		\$ 350.00	\$ 1,400.00
4	L	1	CF18	SYSTEMALUX	5689-FL-120V		\$ 334.00	\$ 1,336.00
24	M	1	TR132	PRESCOLITE	LF6CFV32EBM/6CFV		\$ 117.00	\$ 2,808.00
11	ME	1	TR132	PRESCOLITE	LF6CFV32EBEM/6CFV		\$ 230.00	\$ 2,530.00
7	N	1	MH100	PRESCOLITE	LFH5QL-H10-100MH-100MHFE-9SRTPR-TLG		\$ 295.00	\$ 2,065.00
6	P	0	FACTORY	LITHONIA	TWL-28DTT-120-DM8-LPI-PE		\$ 100.00	\$ 600.00
7	Q	1	F32T8	COLUMBIA	DE4-132-EB8120V		\$ 42.00	\$ 294.00
3	Q1	1	F25T8	COLUMBIA	DE3-125-EB8120V		\$ 43.00	\$ 129.00
4	R	2	F32T8	COLUMBIA	CS4-232-EB8120V		\$ 35.00	\$ 140.00
64	X	0	FACTORY	DUALITE	CVD1REW		\$ 84.00	\$ 5,376.00
3	XD	0	FACTORY	DUALITE	CVD2REW		\$ 90.00	\$ 270.00
45	EBU	0	FACTORY	DUALITE	CVS		\$ 68.00	\$ 3,060.00
10	DBL RH	0	FACTORY	DUALITE	OMS0W060S		\$ 38.00	\$ 380.00
5	SL2	1	MH400	SPAULDING	RSS25-50-1-AX-DB/CRI-A-H40-H4-F-Q-DB-HS		\$ 1,002.00	\$ 5,010.00
3	SL3	1	MH250	SPAULDING	CRI-WB-H25-/H3/F/Q/DB-VG		\$ 509.00	\$ 1,527.00

Quote valid for this bid of material only and is subject to approval. Catalog standard finishes and single bid items unless stated otherwise. Partial shipments, including prepayment of anchor bolts may result in freight charges.

CALLAHAN SCHOOL LIGHT & LAMP TRACKING SHEET

type	qty	manufacturer	catalog #	lamp type	installation time
A	83	columbia	P4D24-332G-MA99-S-3EB8120V	F32T8/SPX35/ECCO	1 hour
AE	51	columbia	P4D24-332G-MA99-S-3EB8120V-EL	F32T8/SPX35/ECCO	1 hour
B	16	columbia	P4D22-232U6G-MA93-S-EB8120V	F32T8/SPX35/U6	1 hour
BE	2	columbia	P4D22-232U6G-MA93-S-EB8120V-EL	F32T8/SPX35/U6	1 hour
C	2	Lithonia	ZGTR332A121201/3EB	F32T8/SPX35/ECCO	1 hour
D	97	columbia	P414-332SM-MA19-S-EB8120V	F32T8/SPX35/ECCO	2 hours
DE	4	columbia	P414-332SM-MA19-S-EB8120V-EL	F32T8/SPX35/ECCO	2 hours
F	58	columbia	STR22-240TTG-MPO-EBTT120V	F40/30BX/SPX35	1 hour
FE	13	columbia	STR22-240TTG-MPO-EBTT120V-EL	F40/30BX/SPX35	1 hour
G	6	columbia	STR14-232SM-MPO-EB8120V	F32T8/SPX35/ECCO	1 hour
GE	2	columbia	STR14-232SM-MPO-EB8120V-EL	F32T8/SPX35/ECCO	1 hour
H	39	columbia	W4-232-EB8120V	F32T8/SPX35/ECCO	1 hour
HE	4	columbia	W4-232-EB8120V-EL	F32T8/SPX35/ECCO	1 hour
J	13	hubbell	BL-250-H-8-HGE-16-WH-HG-FWG	MVR250V/B/PA	3 hours
J1	8	hubbell	BL-250-H-8-HGE-16-WH-CST-HG-FWG	MVR250V/B/PA	3 hours
K	4	alera	MS9-1AU2DT0M-WCB-EB8-120V-MV-8FT-SGL	F32T8/SPX35/ECCO	2 hours
L	4	systemax	6609-FL-120V	F18TBX/SPX35/A4	.5 hours
M	24	prescolite	L6CFV32EBM6CFV	F32TBX/SPX35/AP	2 hours
ME	11	prescolite	L6CFV32EBM6CFV	F32TBX/SPX35/AP	2 hours
N	7	prescolite	LPHSQL-H10-100MH-ROUGH-IN KIT	MXR100/U/MED/O	2 hours
P	6	Lithonia	100MHFE - BALLAST		
P-REV.	7	prescolite	95RTR-1LG - TRIM		1 hour
Q	7	columbia	DE4-132-EB8120V	F32T8/SPX35/ECCO	1 hour
Q1	3	columbia	DE3-125-EB8120V	F26T8/SPX35/ECCO	1 hour
R	4	columbia	CS4-232-EB8120V	F32T8/SPX35/ECCO	1 hour
X1	64	duallite	CVD1REW	installed	.5 hours
X2	3	duallite	CVD2REW	installed	.5 hours
EBU	45	duallite	CV5	installed	1 hour
DBL RH	10	duallite	OMSDW0605	installed	1 hour
SL2	5	spaulding	RSS25-50-1-AX-DB/CRI-A-H40-H4-F-Q-DB-HS	MVR400/U/ED28	2 hours
SL3	3	spaulding	CRI-WB-H25-H3F/Q/DB-VG	MVR250/C/U	2 hours

4180 per hour