



Three Rivers School District

Maintenance Department
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Board of Directors
Dan Huber-Kantola, Superintendent
Three Rivers School District

Our maintenance teams received 211 work orders as of this date, completing 181 within 30 days which represents an 86% completion rate. This month has been electric motor, circulation pump, and laundry washing machine month. It seems everyday we receive a call from one of our buildings that one of these pieces of equipment have failed in a building. Yesterday for example we had a pump and motor go at the District Office affecting the heating, a washing machine at Applegate quit working along with another washing machine at Lincoln Savage which needed repair. I can't wait to see what next month will bring.

The grounds team has been taking advantage of the dry weather these past couple of weeks catching up on areas which are difficult to maintain when raining. Mike has completed tree pruning at Evergreen, cleaned the parking areas at Evergreen, Illinois Valley, and Lorna Byrne, sprayed for weed and brush control behind the high school, and cleaned and picked up the football stadium area. Dave is getting a jump on clearing and spraying brush at Hidden Valley, pruning trees and bushes, catching up on equipment maintenance, blowing and removing leaves, and moving unwanted table and chairs from the High School. Dave has been spraying all his maintained areas, trimming back the high grass around the athletic fields, repaired equipment, helped the maintenance crew with the roof drainage project, and has his equipment ready when the grass begins growing. The irrigation systems in all areas have been inspected, repaired where warranted and are ready to go when called upon. We will be working with our building principals, fine tuning the mowing schedules and seeking their input as to what their priorities are and grounds projects they feel are important to them, the staff, and our community.

Conservation

The Districts energy usage is still down 7% compared to the same time last year.

Facilities that are down for the year:

1. Fort Vannoy	-15.6%
2. Jerome Prairie	-14.6%
3. Madrona	-27.9%
4. Manzanita	-1.5%
5. Williams	-3.7%
6. Fleming	-5.0%
7. Lincoln Savage	-14.3%
8. IVHS	-16.5%
9. HVHS	-15.3%
10. Foods Warehouse	-6.7%
11. Maintenance	-1.4%
12. Tech Building	-8.1%

Facilities that are up for the year:

1. Evergreen	+2.4%
2. Fruitdale	+18.7%
3. Lorna Byrne	+3.9%
4. NVHS	+2.3%
5. District Office	+3.2

These facilities will be looked at to help
Find ways to get their usage down.

In the past month we have been doing consumption and cost tests on some of the common equipment and appliances that are found throughout the district. The reason for the test, is to get an idea of the districts plug load and to determine if there is any energy savings we can capture there. The tests have been conducted using a "Kill a Watt Electricity Usage Monitor" which we purchased. It accurately measures power consumption of anything that is plugged into it. The unit will project the cost of continued use of the equipment or appliance in time periods of hour, day, week and year. So below, are some of the equipment/appliances that we have tested and the results. All costs shown below are based on a cost of 7 cents per kWh.

Full size refrigerator (maintenance shop)

Daily cost \$.04
 Weekly \$.31
 Monthly \$1.36
 Yearly \$16.55

Personal Heater (8 hours)

Daily \$1.53
 Weekly \$7.65 (5 day week)
 Monthly \$ 30.60 (4 week month)
 Year \$183.60 (6 month heating season)

Computer/Monitor/Printer

(Left on 24/7)

Daily \$.04
 Weekly \$.31
 Monthly \$1.36
 Yearly \$16.55

Computer/Monitor/Printer

(Turned off nightly)

Daily \$.01
 Weekly \$.11
 Monthly \$.50
 Yearly \$6.13

So the rough numbers show that by turning off the computer/monitor/printer it could save up to \$10.42 a year.

Soda Machines

Daily \$.43
 Weekly \$ 3.06
 Monthly \$ 13.15
 Yearly \$ 160.00

This test was conducted on a machine not equipped with a power saving device. We will be conducting the same test on one that is equipped with it so we can calculate the savings.

We will be running future tests on other items like copy machines, microwave ovens, coffee pots and fans.

With the help of the schools we have been compiling the different types of appliances and the numbers throughout the district. These are the counts so far.

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|---------------------|-----|----------------------------|--|
| 1. Refrigerators | 93 | (64 mini and 29 full size) | (not including food classrooms or school kitchens) |
| 2. Coffee Pots | 32 | | |
| 3. Microwave ovens | 104 | | |
| 4. Personal heaters | 30 | | |
| 5. Fans | 97 | | |
| 6. Toaster ovens | 2 | | |
| 7. Toasters | 4 | | |

This concludes our report for the month of January 2011. If you should have a question or need for further information please e-mail or phone.

Respectfully Submitted

Dave A. Bracken

Director of Environmental Services