

PIEDMONT VIRGINIA COMMUNITY COLLEGE

PVCC

**CAMPUS WATER
CONSERVATION PLAN**



SEPTEMBER 2002

INTRODUCTION

Piedmont Virginia Community College is committed to significantly reducing water consumption in response to the continuing drought.

Governor Warner by Executive Order #33 has mandated a 15 percent reduction in water consumption by state agencies. The Albemarle County Service Authority (ACSA), PVCC's local water supplier, has established a more stringent 20 percent reduction target.

The college was working to reduce water consumption prior to the current crisis situation. As the data contained in this document indicate, PVCC's annual water consumption dropped by 147,000 gallons (5.8%) between 2000-2001 and 2001-2002, and continued to drop in the first two months of 2002-2003 prior to the imposition of the latest round of severe restrictions. NOTE: This refers to fiscal year periods, which are July 1 through June 30.

Water consumption at PVCC varies significantly during the year. The high months are September, October, and November in the fall and February, March, and April in the spring. These are "peak months" when the college is in full session. Consumption drops significantly in December and January and during the summer months. Given the wide fluctuation in monthly use, the college has established monthly reduction targets based on comparison with the preceding year respective month.

Beginning mid-September 2002, the college has been reading its water meters on a daily basis and monitoring water consumption on an average daily basis, compared to the average week in the year preceding month. For the first seven-day comparison period, September 25 through October 1, 2002, average daily consumption dropped by 18.3 percent from the year earlier period. This is a significant decrease, particularly in light of the 5.9 percent increase in full-time equivalent (FTE) enrollment at the college this fall.

In addition to an aggressive information campaign, the college has taken several severe measures. Our restroom sinks are shut-off and waterless hand cleaner dispensers have been installed in all restrooms and in other areas of the college. Public water fountains have been shut-off and shower use has been strictly limited. Cooling temperatures have been raised to 76 degrees in the Dickinson Building (which uses an evaporative chiller system). We have discontinued selling fountain drinks in our cafeteria, and banned the use of eating utensils that require washing. A complete list of measures in place is contained in this document.

This plan will be revised as needed. Questions should be directed to Bill Jackameit, Vice President for Finance and Administrative Services, Phone (434) 961-5207, E-mail: wjackameit@pvcc.edu.

PVCC WATER CONSERVATION MEASURES

PHASE 1-- EFFECTIVE JULY 2002 OR BEFORE

1. DISCONTINUE OUTSIDE WATERING OF LAWNS, SHRUBS AND OTHER LANDSCAPING BY HOSE FROM THE PUBLIC WATER SYSTEM. NOTE: HAND PAIL WATERING OF SHRUBS TO KEEP THEM ALIVE IS PERMITTED.
2. DISCONTINUE WASHING COLLEGE VEHICLES.
3. DISCONTINUE POWER WASHING OUTSIDE AREAS.
4. SHUT-DOWN AND DRAIN THE DECORATIVE POND AT THE NORTH ENTRANCE TO THE MAIN BUILDING.
5. CHECK ALL PLUMBING FIXTURES FOR LEAKS AND REPAIR OR REPLACE AS NECESSARY.
6. ENCOURAGE VOLUNTARY WATER CONSERVATION THROUGHOUT THE COLLEGE.

PHASE 2 -- EFFECTIVE SEPTEMBER 2002

1. SHUT-OFF SINKS IN PUBLIC RESTROOMS AND PROVIDE WATERLESS HAND CLEANER IN ALL PUBLIC RESTROOMS.
2. SHUT-OFF PUBLIC WATER FOUNTAINS WITH THE EXCEPTION OF A FEW HANDICAPPED ACCESSIBLE FOUNTAINS.
3. LIMIT SHOWERS TO TWO-MINUTES AND RESTRICT SHOWER USE TO PERSONS USING THE FITNESS ROOM.
4. INSTALL "LOW-FLOW" SHOWER HEADS ON ALL SHOWERS NOT SO EQUIPPED.
5. DISCONTINUE SELLING FOUNTAIN DRINKS IN THE CAFETERIA. NOTE: BOTTLED WATER AND SOFT DRINKS ARE AVAILABLE IN THE CAFETERIA.
6. WHERE FEASIBLE, RAISE COOLING TEMPERATURES TO 76 DEGREES. NOTE: THIS PRIMARILY EFFECTS THE DICKINSON BUILDING BECAUSE IT HAS WATER CONSUMING COOLING TOWERS.
7. WHERE FEASIBLE, REDUCE WATER PRESSURE TO COMMADES AND URINALS.

8. ENCOURAGE "FLUSH ONLY WHEN NECESSARY" IN THE PUBLIC RESTROOMS BY POSTING SIGNS TO THAT EFFECT.
9. REQUIRE DISPOSABLE EATING AND DRINKING UTENSILS TO BE USED AT ALL FUNCTIONS AND BY ALL MEMBERS OF THE COLLEGE COMMUNITY WHILE AT WORK. NOTE: THE COLLEGE CAFETERIA ALREADY USES ONLY DISPOSABLE PLATES AND UTENSILS.
10. ACTIVELY ENCOURAGE WATER CONSERVATION BY POSTING SIGNS AT APPROPRIATE LOCATIONS AROUND THE COLLEGE AND THROUGH NOTICES IN APPROPRIATE COLLEGE MEDIA SUCH AS THE PIEDMONT WEEKLY AND COMMUNITY E-MAILS.

REMAINING POSSIBILITIES -- CURRENTLY UNDER CONSIDERATION

1. SHUT-OFF REMAINING PUBLIC WATER FOUNTAINS.
2. SHUT-OFF SHOWERS.
3. DISCONTINUE MAKING ICE IN THE CAFETERIA. NOTE: ICE IS NEEDED PRIMARILY FOR THE SALAD BAR SINCE FOUNTAIN DRINKS HAVE ALREADY BEEN DISCONTINUED.
4. SHUT-OFF SINKS IN NON-PUBLIC AREAS.
5. FURTHER RAISE COOLING TEMPERATURES AT THE DICKINSON BUILDING. AS A LAST RESORT, STOP COOLING THE BUILDING AND REVERT TO AIR CIRCULATION ONLY.
6. SHUT-DOWN ALL RESTROOMS AND PROVIDE PORTABLE TOILETS.
7. INVESTIGATE USE OF THE CONSTRUCTION WELL NEAR PARKING LOT 1. NOTE: WATER IS NOT DRINKABLE BE MIGHT BE USABLE FOR SANITARY OR OTHER PURPOSES.
8. INVESTIGATE USE OF WATER FROM THE LAKE. NOTE: WATER IS NOT DRINKABLE BE MIGHT BE USABLE FOR SANITARY OR OTHER PURPOSES.

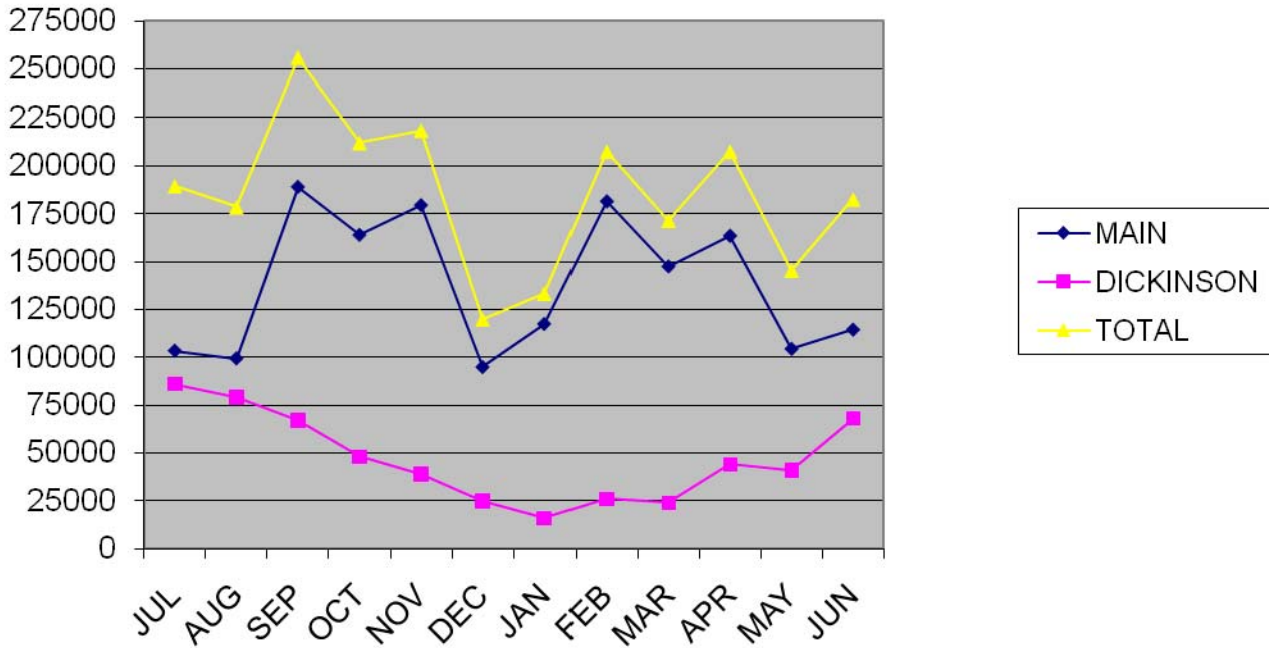
WATER CONSERVATION DATA

PVCC MONTHLY WATER CONSUMPTION

(IN GALLONS)

MONTH	2001-2002			2002-2003			CHANGE			PERCENT
	MAIN	DICKINSON	TOTAL	MAIN	DICKINSON	TOTAL	MAIN	DICKINSON	TOTAL	
JUL	103500	86000	189500	119000	68000	187000	15500	-18000	-2500	-1.34%
AUG	99500	79000	178500	106000	72000	178000	6500	-7000	-500	-0.28%
SEP	189000	67000	256000	187000	56000	243000	-2000	-11000	-13000	-5.35%
OCT	164000	48000	212000	130500	44000	174500	-33500	-4000	-37500	-21.49%
NOV	179500	39000	218500							
DEC	95000	25000	120000							
JAN	117500	16000	133500							
FEB	181500	26000	207500							
MAR	147500	24000	171500							
APR	163500	44000	207500							
MAY	104500	41000	145500							
JUN	114500	68000	182500							

PVCC WATER CONSUMPTION, 2001-02



USAGE TARGETS

PVCC MONTHLY REDUCTION TARGETS

(IN THOUSANDS OF GALLONS)

MONTH	USED 2001-2002			15% REDUCTION TARGET			20% REDUCTION TARGET		
	MAIN	DICKINSON	TOTAL	MAIN	DICKINSON	TOTAL	MAIN	DICKINSON	TOTAL
JUL	103500	86000	189500	87975	73100	161075	82800	68800	151600
AUG	99500	79000	178500	84575	67150	151725	79600	63200	142800
SEP	189000	67000	256000	160650	56950	217600	151200	53600	204800
OCT	164000	48000	212000	139400	40800	180200	131200	38400	169600
NOV	179500	39000	218500	152575	33150	185725	143600	31200	174800
DEC	95000	25000	120000	80750	21250	102000	76000	20000	96000
JAN	117500	16000	133500	99875	13600	113475	94000	12800	106800
FEB	181500	26000	207500	154275	22100	176375	145200	20800	166000
MAR	147500	24000	171500	125375	20400	145775	118000	19200	137200
APR	163500	44000	207500	138975	37400	176375	130800	35200	166000
MAY	104500	41000	145500	88825	34850	123675	83600	32800	116400
JUN	114500	68000	182500	97325	57800	155125	91600	54400	146000
TOTAL	1659500	563000	2222500	1410575	478550	1889125	1327600	450400	1778000
AVERAGE	138292	46917	185208	117548	39879	157427	110633	37533	148167

SEVEN DAY COMPARISON PERIOD TARGET

	USED 2001-2002			15% REDUCTION TARGET			20% REDUCTION TARGET		
	MAIN	DICKINSON	TOTAL	MAIN	DICKINSON	TOTAL	MAIN	DICKINSON	TOTAL
JUL	23371	19419	42790	19865	16506	36372	18697	15535	34232
AUG	22468	17839	40306	19098	15163	34260	17974	14271	32245
SEP	44100	15633	59733	37485	13288	50773	35280	12507	47787
OCT	37032	10839	47871	31477	9213	40690	29626	8671	38297
NOV	41883	9100	50983	35601	7735	43336	33507	7280	40787
DEC	21452	5645	27097	18234	4798	23032	17161	4516	21677
JAN	26532	3613	30145	22552	3071	25623	21226	2890	24116
FEB	45375	6500	51875	38569	5525	44094	36300	5200	41500
MAR	33306	5419	38726	28310	4606	32917	26645	4335	30981
APR	38150	10267	48417	32428	8727	41154	30520	8213	38733
MAY	23597	9258	32855	20057	7869	27927	18877	7406	26284
JUN	26717	15867	42583	22709	13487	36196	21373	12693	34067