

adjustment applied to '06-'07 and newer reports

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Petroleum Displacement	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	Initial Cost	Yearly Cost
2.00%	Conservation practices, eliminated idling						
2.00%	Using 4-cylindar engine trucks instead of the 6-cylindar ones						
1.00%	Purchased off-road T-Mag vehicles instead of using on-road vehicles						
5.00%		Switch diesel fuel over to B20 (3,000 gallons per year)					
0.13%		Switch over half of motor oils to synthetic					
10.00%		Switch Gasoline to E10					
0.13%		Switch over remaining motor oils to synthetic					
		Improve monitoring of fuel transactions				0	0
Totals	5.00%	10.13%	20.25%				

Possible additional vehicle purchases from 2006 - 2010

[illegible]

Elizabeth City State University

Fleet and Fuel Reporting

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Fleet Information	2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011	
Vehicle Type	Total #	Miles	Total #	Miles	Total #	Miles	Total #	Miles	Total #	Miles	Total #	Miles
Gasoline	40	100,405	41	99,780	37	69,540	36	154,225	35	163,023	35	181,767
Diesel	-	-	2	20,546	3	40,818	4	56,414	4	48,327	4	57,033
Hybrid	-	-	-	-								
Flex-fueled Vehicles	-	-	-	-								
Comp Natural Gas	-	-	-	-								
Propane	-	-	-	-								
Electric	-	-	-	-								
Emergency/Ed (10%)	-	-	-	-								
Totals	40	100,405	43	120,326	40	110,358	40	210,639	39	211,350	39	238,800
	0%	0%	-10%	0%	-17%	-8%	-17%	75%	-19%	75%	-19%	98%

Fuel Information	2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011	
Fuel Type	Gal	Petr.	Gal	Petr.	Gal	Petr.	Gal	Petr.	Gal	Petr.	Gal	Petr.
Gasoline	10,113	10,113	8,982	8,982	4106	4,106		-	481	481	0	-
E10	-	-	-	-	2053	1,848	17626	15,863	19780	17,802	22844	20,560
E85	-	-	-	-		-		-		-		-
Diesel	-	-	2,871	2,871	4842	4,842	3719	3,719	5055	5,055	8700	8,700
B5	-	-	-	-		-		-		-		-
B20	-	-	-	-		-		-		-		-
B100	-	-	-	-		-		-		-		-
CNG	-	-	-	-		-		-		-		-
Propane	-	-	-	-		-		-		-		-
	Qrts		Qrts		Qrts		Qrts		Qrts		Qts	
Petroleum Motor Oils	102	26	107	27	138	35	102	26	131	33	118	30
Syn & Rec Motor Oils	0	-	10	-		-		-	0	-		-
Total Petroleum Use		10,139		11,880		10,830		19,608		23,371		29,289
% Change in PDP		-3%		14%		-14%		56%		86%		134%

Goal by 2011 -20.0%

ref line #10- JO'N

2006-07 Adjustment due to additional mileage from Diesel Buses used for promotion and sporting events adjustment continued: '08-'09, '09-'10

2009-10 Odometer readings and fuel records are more accurate and reliable than previous years.

all PDP participating fleets results to 2009-10											
Overall Results from all participating fleets						vehicles reported in PDP					
	FY 2004-05		FY 2009-2010				FY 2004-05		FY 2009-2010		
Fuel Type	thousand	of gallons	thousand of gallons		% change	Vehicle Types	#		#		% change
Gas		14,935	3,165		-79%	Gasoline	10,816		9,436		-13%
E10		598	11382		1803%	Hybrid	78		129		65%
E85		242	398		64%	Flex-fueled Vehicles	4,752		7,018		48%
Diesel		8,526	1602		-81%	Comp Natural Gas	14		5		-64%
B5		-	7			Diesel	4,498		5,066		13%
B20		1,870	8157		336%	Propane	192		150		-22%
B100		-	2			Emergency/Ed (10%)	6,007		5,871		-2%
Total Biodiesel as B20		1,870	8,167		337%	Electric	13		199		1431%
CNG		3	0		-92%	Total	26,370		27,874		6%
Propane		56	5		-91%	Of the Overall 17.5 % petroleum reduction: 3.95% displaced by reduced mileage (conservation) 4.01% displaced through E10 use 0.49% displaced through E85 use 4.7% displaced through biodiesel use 4.3% displaced through efficiency					
Petroleum Motor Oils		48	35		-27%						
Syn & Rec Motor Oils		3	6		115%						
Total Fuel		26,283	24,760		-5.8%						
Total Petroleum		25,581	21,638		-15.4%						
T.Fuel (adj. for growth)		26,877	24,760		-7.88%						
T.Petro (adj for growth)		26,153	21,638		-17.26%						

Your organization result to date													
Elizabeth City State University				results to date (2009-10)	% Reductions Caused by PDP Actions (by FY 09-10 as reported)								
% of Goal	State Organization	Petro Use	Petroleum Displacement Achievements	PDP Actions (Petroleum Reduction)	Miles	E10	E85	B5	B20	B100	CNG	Prop	Syn Moil
-432%	Elizabeth City SU	86.39%		improved accuracy of data, 1 veh misidentified as gas is diesel	75.3%	7.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

your organization plan to date											
Elizabeth City State University					report progress		plan next year and forward				
Petroleum Displacement	2005 thru2007	2007-2008	2008-2009	2009-2010		2010-2011	beyond 2011				
Actual	14%	-14%	56%	86%		134%					
75.3%	increased mileage, partly justified, baseline adj. by 20% applied since '06-'07										
7.8%		use of E10 started '07-'08, continued '08-'09					Improve data collection for non-motor fleet travel	Continue to look for improvements			
						Encourage conservation by posting monthly vehicle	Promote conservation with posted challenges				
as planned											
2.00%	Conservation practices, eliminated idling			Conservation practices are encouraged.		Budget permitting, upgrade fuel monitoring system	Continue to seek funding				
2.00%	Using 4-cylindar engine trucks instead of the 6-cylindar ones			based fuel							
1.00%	Purchased off-road T-Mag vehicles instead of using on-road vehicles			No budget available			Evaluate mpg per vehicle				
5.00%		Switch diesel fuel over to B20 (3,000 gallons per year)				no B20 reported		Establish No-Idling Policy			
0.13%		Switch over half of motor oils to synthetic				some in '06-'07		Provide education on conservative driving			
10.00%			Switch Gasoline to E10			see line 42					
0.13%			Switch over remaining motor oils to synthetic		will this happen?						
			Improve monitoring of fuel transactions		Monthly odometer readings in conjunction with monthly						

space for Plan notes

2006-07 Adjustment due to additional mileage from Diesel Buses used for promotion and sporting events

2009-10 Odometer readings and fuel records are more accurate and reliable than previous years.

2010 - 11 Odometer readings and fuel records continue to improve in accuracy

08-'09	09-'10	10-'11
9.6154	9.6154	
9.856	8.338	
2.51%	-13.29%	

Conservation and Efficiency

defining steps taken to reduce petroleum consumption

your fleet efficiency appears to have decreased

In the process of reporting PDP results we have been able to directly attribute petroleum use changes due to: mileage; alternative fuel use; number of vehicles; use of synthetic or recycled motor oil. Indirectly we have been attributing any other change to "change in efficiency", a positive change may be called "conservation". To better define what portion of PDP performance is due to "change in efficiency or conservation" Please answer the following:

Has your agency/ department/ organization initiated any steps, **not previously reported**, intended to improve fleet vehicle efficiency? Please place "X" as appropriate

YES

2009-'10

2010-'11

2009-'10

2010-'11

X

NO

what did you change? Place "X" in appropriate box(es)
examples: a mechanical change could include equipment changes to vehicles or fueling infrastructure to make them more efficient. New hybrid autos or new fuel card reader systems would be mechanical. Process change could be an accounting system change, vehicle reassignment, or a carpooling system. Behavior could be drivers improving fuel economy by driving more efficiently or drivers combining errands or carpooling to reduce mileage.

mechanical		2009-'10		2010-'11	
		X			
		yes	no	yes	no
1a	changed vehicle types		X		X
1b	use fuel management system	X		X	
1c	use on-board idle reduction mechanism		X		X
1d	other mechanical system change				X

process		2009-'10		2010-'11	
		X			
		yes	no	yes	no
2a	changed fuel accounting system		X		X
2b	reduced on-board weight		X		X
2c	set carpooling policy	X		X	
2d	reassigned vehicles to reduce fuel use	X		X	
2e	check tire pressure routinely	X		X	
2f	evaluate MPG performance by vehicle		X		X
2g	other process system change	X		X	

behavior		2009-'10		2010-'11	
		X			
		yes	no	yes	no
3a	trained drivers on economical driving		X		X
3b	reminded drivers to save fuel		X		X
3c	set policy on idle reduction		X		X
3d	evaluate driver behavior (on economy)		X		X
3e	carefully observe speed limit	X		X	
3f	reward economical driving or punish inefficient driving		X		X
3g	other behavior change		X	X	

when did you first change it? Place "question #" in box best marking when process began. There may be multiple marks.

mechanical

before 2005

FY 04-05

FY 05-06

FY 06-07

FY 07-08

FY 08-09

FY 09-10

FY 10-11

1b

process

before 2005

FY 04-05

FY 05-06

FY 06-07

FY 07-08

FY 08-09

FY 09-10

FY 10-11

2c,2e

2g

behavior

before 2005

FY 04-05

FY 05-06

FY 06-07

FY 07-08

FY 08-09

FY 09-10

FY 10-11

3e

3g

How did you change it? Please note question # you are referring to.

examples may include new procedures, training, or directives affecting vehicle choice or vehicle use; installation of new equipment to dispense fuel or account for its use.

mechanical

1b: We took a critical look at our GasBoy Fuel Inventory System and noted changes were needed to improve odometer reading data. We implemented monthly odometer reading during the FY09-10 period.

new in FY 2010-'11:

process

2c: Paired trade workers to work together on jobs utilizing one vehicle instead of 2; 2d: Re-assigned vehicles made available in the car-pooling effort to provide needed transportation to housekeeping, improving the distribution of supplies and information; ; 2e: implemented we

behavior

3e: Employees have been encouraged to observe speed limits on-campus as well as off-campus.

3g. Monthly odometer readings are now a normal part of business. Compliance is at approximately 95% without reminders.

From your Results Noted tab you are now aware of what portion of your PDP performance change (positive or negative) was attributed to efficiency and conservation last year.

Your '09-'10 PDP report indicated | -13.29% | was attributed to change in efficiency. Of the noted changes in each of these three categories what part will you attribute to current and future activities in each?
Your answers may total 0% if not applicable, otherwise the total will be 100%.

FY	2009-10	mechanical	
FY	2010-11	mechanical	0%
FY	2011-12	mechanical	

FY	2009-10	process	50%
FY	2010-11	process	50%
FY	2011-12	process	

FY	2009-10	behavior	50%
FY	2010-11	behavior	50%
FY	2011-12	behavior	