			adjusted baseline			Elizabeth Li	inney			
Elizabeth City	State Uni	versity	1704 Weeksville Road, C	CB #982		(252) 335-3	217			
5		5	Elizabeth City	NC	27909	ealinney@mai	l.ecsu.edu			
Fleet Inf	ormation		Fuel In	formation		Fu	ieling Infi	rastructure		
Total Leased Vehicles		30	State Titled	Vehicles Onl	y	Location	Age	Size	Fuel	
Total County Titled Vel	nicles	0	Fuel Type	Gallons	Pet. Eqv.	ECSU	6 yrs	4000	Gas	
Total State Titled Vehic	les	25	Gasoline	10,422	10,422	ECSU	6 yrs	1000	Diesel	
Total Other Vehicles		18	E10	0	-					
			E85	0	-					
Breakdown of State	Titled Vehic	cles Only	Diesel	0	-					
Vehicle Type	Quantity	Miles	Off-road Diesel	0	-					
Gasoline Only	40	100,405	B5	0	-					
Diesel	0	-	B20	0	-					
Hybrids	0	-	B100	0	-					
Flex-fueled Vehicles	0	-	CNG	0	-					
Comp Natural Gas	0	-	Propane	0	-					
Propane	0	-	Other	0	-					

1			1						
Propane	0	-	Other	0	-				
Electric	0	-		Quarts					
Other	0	-	Petroleum Motor Oils	107	27				
10% Eligible	0	-	Syn & Rec Motor Oils	0	-				
Totals	40	100,405		Total	10,449				
adj. for growth	48	120,486		adj total	12,539				
Instructions			Notes/Comments				Pot		
Fill out all information (excep	ption - miles if I	N/A)	Total Other vehicles inc	Total Other vehicles include tractors, mowers,					
Complete with data from fisc	al year 2004-20	05	litter vac, and off-road u	litter vac, and off-road utility vehicles.					
Please note if fuel includes m	ore than State V	/ehicles							
Count hybrids and FFV's only	y once in the bre	eakdown,	Vehicle numbers and mi	Vehicle numbers and mileage used data					
do not count them as gase	oline vehicles		from 2005-06 to better r	from 2005-06 to better reflect current use					
10% Eligible vehicles include	e police & emer	gency							
10% eligible educational vehi	icles must have								
specific modifications for	instructional p	urposes							

Potentia	al for Bio	fuels Expa	nsion
Location	Space	Tk Size	Fuel
Off campus		5000 gal	E10
Off campus		1000 gal	B20

Potential Reductio	on in Petroleum use for your organization;	Pı	rojected Re	Petro	oleum		
Conservation	Reduce speeds, efficient cars, task pooling	313	gallons	=	3.00%	Displa	cement
E10	Using E10 for all gasoline vehicles	1,042	gallons	=	9.97%	Goal :	20.0%
E85	Using E85 for all flex-fueled vehicles	-	gallons	=	0.00%	2,090	gallons
B5	Using B5 for all diesel vehicles	-	gallons	=	0.00%		
B20	Using B20 for all diesel vehicles	-	gallons	=	0.00%		
B100	Using B100 in 1/10th of your diesel vehicles	-	gallons	=	0.00%		
FFV	Substituting one FFV using E85	178	gallons	=	1.70%		
CNG/Propane	Replacing one vehicle with a CNG/LPG car	261	gallons	=	2.50%		
Electric	Replacing one vehicle with an electric car	261	gallons	=	2.50%		
Syn & Rec Oils	Using all synthetic and recycled motor oils	107	quarts	=	0.26%		

adjustment applied to '06-'07 and newer reports

Elizabeth City	y State University		Elizabeth Linney (252) 335-3217 ealinney@mail.ecsu.ed	u			
Petroleum Displacement 2.00%	2006-2007 Conservation practices, elim	-	2008-2009	2009-2010	2010-2011	Initial Cost	Yearly Cost
2.00%	Using 4-cylindar engine truc						
1.00%	Purchased off-road T-Mag v	vehicles instead of using on-	road vehicles				
5.00%	_		320 (3,000 gallons per year)				
0.13%	-	Switch over half of motor of	oils to synthetic				
	-						
	-						
10.00%			Switch Gasoline to E10				
0.13%	-		Switch over remaining moto	or oils to synthetic			
			Improve monitoring of fuel			0	0
	_						
	-						
	-						
	-						
Totals	5.00%	10.13%	20.25%				
Possible additional Year	vehicle purchases from 2 Quantity, Vehicle Type		Purpose	Fuel / Hybrid		Additional (Cost

Elizabeth City St	ate Univ	versity		Fleet and	l Fuel R	eporting		Elizabeth L (252) 335-3 ealinney@r	•			
Fleet Information	200	5-2006	200	6-2007	200'	7-2008	200	8-2009	2009	-2010	201	0-2011
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	200	5-2006	200	6-2007	200'	7-2008	200	8-2009	2009	-2010	201	0-2011
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		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%
									1	oy 2011		-20.0%

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.

Elizabeth City State University Elizabeth Linney (252) 335-3217

ealinney@mail.ecsu.edu

Results Noted (by FY 2009-10) as relate to your PLAN

Plan for FY 2011-12

	Avorall Dogulta from	n all participating fleets			
	FY 2004-05)9-2010		
Fuel Type	thousand of gallons	thousand of gallons	% change		Ve
Gas	14,935	3,165	-79%		Ga
E10	598	11382	1803%		Hy
E85	242	398	64%		Fle
Diesel	8,526	1602	-81%		Co
B5	-	7			Di
B20	1,870	8157	336%		Pro
B100	-	2			En
Total Biodiesel as B20	1,870	8,167	337%		Ele
CNG	3	0	-92%		To
Propane	56	5	-91%		
Petroleum Motor Oils	48	35	-27%		Of
Syn & Rec Motor Oils	3	6	115%		3.
Total Fuel	26,283	24,760	-5.8%		4.0
Total Petroleum	25,581	21,638	-15.4%		0.4
Γ.Fuel (adj. for growth)	26,877	24,760	-7.88%		4.′
Γ.Petro (adj for growth)	26,153	21,638	-17.26%		4.
Your organization result	t to date				
Elizabeth	City State University		results to date	e (2009-10)	
% of Goal	State Organization	Petro Use	Petroleum Displacement Achievements	PDP Actions (Petroleum Reduction)	
-432%	Elizabeth City SU	86.39%		improved accuracy of data, 1 veh misidentified as gas is diesel	
your organization plan to					
Elizabeth City	, state emitersity				
Elizabeth City Petroleum Displacement	2005 thru2007	2007	-2008	200	8-2

vehic	les reported i	n PDP	
	FY 2004-05	FY 200	9-2010
Vehicle Types	#	#	% change
Gasoline	10,816	9,436	-13%
Hybrid	78	129	65%
Flex-fueled Vehicles	4,752	7,018	48%
Comp Natural Gas	14	5	-64%
Diesel	4,498	5,066	13%
Propane	192	150	-22%
Emergency/Ed (10%)	6,007	5,871	-2%
Electric	13	199	1431%
Total	26,370	27,874	6%

Of the Overall 17.5 % petroleum reduction: 3.95% displaced by reduced mileage (conservation) .01% displaced through E10 use 0.49% displaced through E85 use .7% displaced through biodiesel use .3% displaced through efficiency

Elizabeth City State University results to date (2009-10)			%]	Reductions Cau	sed by PDP	Actions (by	FY 09-10 a	s reported)					
% of Goal	State Organization	Petro Use	Petroleum Displacement Achievements	PDP Actions (Petroleum Reduction)	Miles	E10	E85	В5	B20	B100	CNG	Prop	Syn Moil
-432%	Elizabeth City SU	86.39%		improved accuracy of data, 1 veh misidentified as gas is	75.3%	7.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
				diesel									

Elizabeth City	v 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 jus	tified, 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 trav			
					Encourage conservation by posting monthly veh	Promote conservation with posted chall		
as planned								
2.00%	Conservation practices, elim	inated idling		Conservation practices are encouraged.	Budget permitting, upgrade fuel monitoring syst	Continue to seek funding		
2.00%	Using 4-cylindar engine truc	ks instead of the 6-cylindar ones		based fuel				
1.00%	Purchased off-road T-Mag v	ehicles 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 drivi		
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				

Elizabeth City	y 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 jus	tified, 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 trave		
					Encourage conservation by posting monthly vehi	Promote conservation with posted ch	
s planned							
2.00%	Conservation practices, elim	· · · · · · · · · · · · · · · · · · ·		Conservation practices are encouraged.	Budget permitting, upgrade fuel monitoring syste	Continue to seek funding	
2.00%	Using 4-cylindar engine truc	ks 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 dr	
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.

%	
%	
%	
% %	
%	
%	
%	
%	

Elizabeth City State University Elizabeth Linney (252) 335-3217									ba	aseline efficiency	08-'09 9.6154	4 9.6154]				
ealinney@mail.ecsu.edu									efficiency factor9.8568.338change indicated2.51%-13.29%									
	Conservation and Efficiency your fleet efficiency appears to have decreased 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/	Has your agency/ department/ organization initiated any steps, not previously reported, intended to improve fleet vehicle efficiency? Please place "X" as appropriate 2009-'10 2010-'11 2009-'10 2010-'11																	
YES	5	2009-10 X	2010-11			NO	2010-11]										
examples: a mechanic	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.																	
		2009-'10 2010-'11					2009-'10 2010-'11						2009-'10		2010-'11			
mec	hanical	X yes	no	yes no]	process	X yes	no	yes	no		behavior		X yes	no	yes	no	
1a changed veh	icle types		Х	Х	2a	changed fuel accounting system		x		x	3a		ed drivers on mical driving		х		Х	
use fuel ma		-		Х	2b	reduced on-board weight		Х		x	3b	reminded d	rivers to save fuel		х		х	
use on-board idle		1	X	х	2c	set carpooling policy	Х		х		3c	set j	oolicy on idle reduction		х		Х	
					24	reassigned vehicles to reduce fuel use	v		х		3d		iver behavior	•	x		х	
					2d	check tire pressure	A V						(on economy) observe speed	1	^	V	<u> </u>	
					2e	routinely	Α		X		<u>3e</u>		limit d economical	l		X		
					2f	evaluate MPG performance by vehicle		х		x	3f		ing or punish icient driving		Х		Х	
other mechanic	al system change			X	2g	other process system change	Х		Х		3g	other beh	avior change		х	х		
when did you first	U		ion #" in box	best marking when p		may be multiple marks.							6					
before 2005 FY 04-05 FY 05-06 FY 06-07 FY 07-08 FY 08-09 FY 09-10 FY 10-11		mechanical				before 2005 FY 04-05 FY 05-06 FY 06-07 FY 07-08 FY 08-09	process 2c,2e 2g]			before 2005 FY 04-05 FY 05-06 FY 06-07 FY 07-08 FY 08-09 FY 09-10 FY 10-11		behavior 3e				
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														mented we				
3e: Employees have been encouraged to observe speed limits on-campus as well as off-campus.																		
		-	-	-	-	0/ <u>11</u> / • •												
3g. Monthly odomet	er reading	s are now a no	ormal part of	business. Compliance is	s at approximately 959	% 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 2010-11 mec	hanical hanical hanical	0%			FY	2009-10 process 2010-11 process 2011-12 process	50% 50%				FY FY FY		behavior behavior behavior	50% 50%)			