## Appendix 13-1 Shadow Wage Rate for Unskilled Labour

In the benefit area, the opportunity cost of unskilled labour is well below the actual wage rate due to the recent economic slowdown and the chronic excess supply of labour especially in rural areas. In the evaluation of agricultural impacts, therefore, the shadow price of unskilled agricultural labour in the beneficial area has been calculated at 55% of the average wage in accordance with the under-mentioned formula.

With well awareness of the fact that unemployment in the construction sector is higher than that in agriculture; it could be argued that the shadow wage rate and the conversion factor are lower in the construction sector. However, the negligible share of unskilled labour in the total project cost and thus the negligible impact of such conversion factor on the economic project cost would be deemed justifiable.

$$SWR = m*p + (w-m)* (1-1/V)*c$$

Where m = marginal productivity of labour at domestic price. It may be derived from gross margin calculations as productivity of family labour, i.e. 65 Baht/day.

p = border/domestic price ratio for labour's product, i.e. 0.92

w = actual wage rate, i.e. 110 Bhat/day.

v = social value of consumption relative to investment. This was assumed to be 1 as such information was not available for its estimation. At the assigned value it will have no impact on the overall evalutation.

c = ratio of border price to domestic price for labour's consumption, i.e. 0.95.

Based on the adopted parameter values, the SWR has been estimated to be 60 Bhat/day, while the conversion factor for unskilled labour is 0.55.

Table 13-12 Construction Conversion Factors

		Traded Goods	Skilled Labour	Unskilled Labour	Traded Goods Skilled Labour Unskilled Labour Non-traded Goods Transfer Payment	Transfer Paymen		
Item (1)	(1) Proportion (%)		0.92*	0.55*	0.92*	*0	Conversion Factors	(E) x (E)
1. Kok-Ing-Nan Project**				·.				
		ř	7	00	136	c	100.0	
(1) Kok intake, Kok Canal and Kok-Ing No 1 Tunne)	٠ ۲	(0.734)	(0.004)	(0.005)	(0.233)	· 6	0.976	0.07
	7 7	70.7		0.7	19.7	0	100.0	
(Z) 1 aK Canal	t 5	(0.793)	(0.003)	(0.004)	(0.181)	6	0.981	90.0
13) Web Tee No. 3 Thomas	. 9	78.5	0.3	80	20.4	0	100.0	
(2) NOK-INB 140.2 1 Ulimes	2	(0.785)	(0.003)	(0.004)	(0.188)	9	0.980	0.05
(4) Ing Cansl and Ing Weirffntake	0.9	73.5	0.4	6:0	25.2		100.0	
Sur prin value Sur (L)		(0.735)	(0.004)	(0.005)	(0.232)	9	0.976	90.0
(5) Inc. Vot Const and Inc. Vot	8.1	80.1	0.3	0.7	18.9	0	100.0	
No.1 Tunnel		(0.801)	(0.003)	(0.004)	(0.174)	9	0.982	0.08
10 Y and but tennel. O to V and (A)	10.6	70.4	03	0.7	19.6	0	100.0	
(b) tag. 10t Culvertain 118-10t No.2 Tunnel (Div. 1)	201	(0.794)	(0.003)	(0.004)	(0.180)	9	0.981	0.10
(7) face Vot No. 2 Tunne)	110	28.2	03	0.8	20.7	0	100.0	
(J) IIIg-130 (Div. 2 & 3)	•	(0.782)	(0.003)	(0.004)	(0.190)	9	0.979	0.12
(9) Ind. Vot No.7 Times	146	79.4	0.3	0.7	19.6	0	100.0	
(b) ing 101 (c); 101 (c)	?	(0.794)	(0.003)	(0.004)	(0.180)	9	0.981	0.14
(0) for Not No 7 Tunnel	13.0	70.3	0.3	0.7	19.7	0	100.0	
(9) Ing-101 No.2 1 miles (Div. 6 & 7)	)	(0.793)	(0.003)	(0,004)	(0.181)	<u>.</u>	0.981	0.14
(10) Ing-Yet No 2 Tunnel	10.4	78.1	0.3	0.8	20.8	0	100.0	
(Div. 8 & 9)		(0.781)	(0.003)	(0.004)	(0.191)	9	0.979	0.10
(11) Yao Dam and Yot & Yao	5.6	65.1	. 50	1.2	33.2	0	100.0	
River Training		(0.651)	(0.005)	(0.007)	(0.305)	9	0.968	0.05
Total	100.0	•		-	1	,	-	0.97
7 Accordate Irrigation	1000	. 9:59	0.5	1.1	26.3	6.5	100.0	
Projects***		(0.656)	(0.005)	(0.006)	(0.242)	(0)	0.909	0.91
3 Environmental Impact	1000	47.5	0.8	1.8	43.4	6.5	100.0	
Mitigation Works***		(0.475)	(0.007)	(0.010)	(0.399)	<b>©</b>	0.891	0.89
4. Phitsanulok Irrigation Project		,	:	Ċ	0		000	
(Stage 1) & Existing DED? Pumping Scheme***	100.0	<b>-</b> (5)	(0.013)	(0.018)	(0.817)	(e)	0.848	0.85
5. Phitsanulok Irrigation Project	000	00)	4 0	-	. 240	v	0001	
(Stage 2) & New DEDP Pumping Scheme***	0.001	(0.659)	(0.00)	(0.006)	(0.239)	9	606'0	0.91
Note: 1) Figures in parenthesis indicate proportions multiplied by respective conversion factors.	ate proportions	multiplied by re-	spective convers	ion factors.				

Note: 1) Figures in parenthesis indicate proportions multiplied by respective convo.

2) \* indicates conversion factors.

3) \*\* indicates the direct construction cost excluding taxes.

4) \*\*\* indicates the construction cost including taxes and others.

Table 13-13 Crop Budget of Agricultural Products for Chao Phraya Upper West Delta in Economic Terms (Future Without Project Case)

		Paddy	  -	Field Crops	sdor				ľ	Other Field Crops	Crops					Vegetables	ples
Item	Unit	Dry Season	Ron	Sugarcane	cane	Mungbean	bean	Soybeans	ans	Sweet Corn	no Our	Water Melon	Melon	Average	age	Vegetables	bles
		Amount Value	Value	Amount Value	Value	Amout	Value	Amount	Valuc /	Amount	Valuc .	Amount	Value	Amount Value Amount Value Amount Value Amount Value	Value	Amount Value	Value
Value of Output	1.00/001			0.470		160		90		1 050		2.430				1.300	
(I) Tield	Agyrai Hahi/ko	6.4	:	1.048		11.0		14.1		5.6		7.9				5,4	
(3) Production Value	Baht/rai		3,464	!	9,925		1,760		2,820		10,920		19,197	-	8,674		7,020
Total	Baht/rai		3,464		9,925		1,760		2,820		10,920		19,197		8,674		7,020
Input Costs																	
(1) Seeds	Baht/rai		164		529	Skg	82	24kg	237	3/6	118	0.15kg	1,359		449	3kg	208
(2) Fertilizer	Baht/rai	46kg	299	45kg	239	10kg	17	6kg	6	48kg	341	231kg	1,640		524	112kg	717
(3) Agro-chemicals	Baht/rai		150	,	88	)	20		77		222		1,207		394		647
(4) Land Preparation*	Baht/rai		523		449		167		219		250		220		214		499
(5) Labour	Baht/rai	9.1md	563	26.8md		5.8md	367	5.5md	349	7.1md	420	19.1md	1,213		595	18.2md	1,155
(6) Others	Baht/rai		100		7		74		34		184		75		8		230
Total	Baht/rai		1,799		3,019		831		626		1,565		5,714		2,268		3,516
Net Value	Baht/rai		1,665		906'9		929		1,861		9,355		13,483		6,406		3,504

Note: 1) \* indicates dependence on mechanization, including fuel cost.

2) Vegetables include cucumber, long beans, etc.
Source: Farm household survey.

Table 13-14 Crop Budget of Agricultural Products for Chao Phraya Upper West Delta in Economic Terms (Future With Project Case)

		Paddy		Field Crops	Crops	•	-		<u>ن</u>	Other Field Crops	d Crops				Vegetables	ables
Item	Unit	Dry Season	ē	Sugarcane	cane	Mungbean	bean	Soybe	Soybeans	Sweet Com	Com	Water Melon	Melon	Average	Vegetables	ables
		Amount Value		Amount	Value	Amount Value Amout Value Amount Value Amount Value	Value,	Amount	Value .	Amount	Value	Amount	Value	Amount Value Amount Value	Amount	Value
Value of Output																
(1) Yield	kg/rai	820		10,580		200		300		2,300		2,780			1,490	
(2) Unit Price	Baht/kg	4.6		1.048		11.0		14.1		2.6		7.9				
(3) Production Value			016		11,088		2,200	٠	4,230		12,880		21,962	10,318		8,046
Total	Baht/rai	6	3,910		11,088		2,200		4,230		12,880		21,962	10,318		8,046
Input Costs																
(1) Seeds	Baht/rai	25kg	165		517	6kg	8	10kg	143	Skg	188		1,340	440		263
(2) Fertilizer	Baht/rai	52kg	338	35kg	186	10kg	7	15kg	107	90kg	639	260kg	1,846	999	120kg	768
(3) Aero-chemicals	Haht/rai	•	141	3	75	)	35	1	92		220		1,141	367		647
(4) Land Preparation*	Baht/rai		466		428		147		. 162		247		200	189		499
(5) Labour	Raht/rai	9.4md		27.8md	1.681	6.4md	388	6.1md		7.8md	470	20.6md	1.227	613	19.4md	1,172
(6) Others	Baht/rai		115		7		43		46		184		72	98		290
Total	Baht/rai	<b>-</b> -€	1,793		2,961		774		894		1,948		5,826	2,361		3,639
Net Value	Baht/rai	7	2,117		8,127		1,426		3,336		10,932		16,136	7,957		4,407

Table 13-15 Crop Budget of Agricultural Products for Chao Phraya Upper East Delta in Economic Terms (Future Without Project Case)

Dry Season         Sugarcane         Mungbean         Soybean         Sweet Corn         Water Namount Value         Amount Value			Paddy	ldy	Field Crops	Crops				_	Other Field Crops	d Crops					Vegetables	ples
Rightai   800   10,020   130   200   1,950   2,430   19,197   89ht/rai   3,680   10,501   1,430   2,820   10,920   19,197   19,197   89ht/rai   2,820   10,501   1,430   2,820   10,920   19,197   19,1	Item	Unit	Dry S	tason	Sugar	Cane	Mung	bean	Soyb	ean	Sweet	Corn	Water N	Aelon	Avera	ge	Vegetables	ples
kg/rai         800         10,020         130         200         1,950         2,430           Jalue Baht/rai         3,680         10,501         1,430         2,820         10,920         1           Baht/rai         3,680         10,501         1,430         2,820         10,920         1           Baht/rai         3,680         10,501         1,430         2,820         10,920         1           Baht/rai         2,680         10,501         1,430         2,820         10,920         1           Baht/rai         20         10,501         1,430         2,820         10,920         1           Baht/rai         2,680         10,501         1,430         2,820         10,920         1           Baht/rai         2,680         10,67         1,68         20         6,88         43         48kg         341         231kg           Baht/rai         453         5,8md         370         5,5md         450         19,1md         450         19,1md           Baht/rai         1,512         2,960         690         959         1,565         1,565         1,565         1,565         1,565         1,565         1,565         1,565			Amount	Value		Value	Amout	i	Amount		Amount	Value	Amount \	Value	Amount	Value	Amount Value	Value
Baht/rai         3.680         10,501         1,430         2,820         10,920         7.9           Baht/rai         3,680         10,501         1,430         2,820         10,920         1           Baht/rai         3,680         10,501         1,430         2,820         10,920         1           Baht/rai         2,680         10,501         1,430         2,820         10,920         1           Baht/rai         20kg         10,501         1,430         2,820         10,920         1           Baht/rai         20kg         106         7kg         6kg         43         48kg         341         231kg           Baht/rai         453         539         160         219         222         220           Baht/rai         68         68         24         349         7.1md         450         19.1md           Baht/rai         1,512         2,960         690         959         1,565         1,565           Baht/rai         2,168         7.541         740         1,861         9.355         1	Value of Output				00000		130		Ę		1 050		2.430				1.300	
Bahtrai 20kg 138 553 4kg 63 24kg 237 3kg 10,920 1 Bahtrai 20kg 138 553 4kg 63 24kg 237 3kg 118 0.15kg Bahtrai 32kg 208 20kg 106 7kg 50 6kg 43 48kg 341 231kg Bahtrai 453 539 160 22 77 222 Bahtrai 453 539 160 219 250 Bahtrai 1,512 2,960 690 959 1,565 18	(1) Yield (2) II-is B-iss	Kgyrai Doby Ar			1.048		110		3 7		5.6		7.9				5.4	
Baht/rai         3,680         10,501         1,430         2,820         10,920         1           Baht/rai         20kg         13,680         10,501         1,430         2,820         10,920         1           Baht/rai         20kg         108         20kg         106         7kg         50         6kg         43         48kg         341         231kg           Baht/rai         108         70         7kg         50         6kg         43         48kg         341         231kg           Baht/rai         453         539         160         219         250 <td>(z) Unit rrice (3) Production Volue</td> <td>Baht/rai</td> <td>- 1</td> <td>3.680</td> <td>1.040</td> <td>10.501</td> <td>2</td> <td>1.430</td> <td></td> <td>2.820</td> <td>?</td> <td>10,920</td> <td></td> <td>19,197</td> <td></td> <td>8,592</td> <td></td> <td>7,020</td>	(z) Unit rrice (3) Production Volue	Baht/rai	- 1	3.680	1.040	10.501	2	1.430		2.820	?	10,920		19,197		8,592		7,020
Baht/rai         20kg         138         553         4kg         63         24kg         237         3kg         118         0.15kg           Baht/rai         32kg         20         6kg         43         48kg         341         231kg           n° Baht/rai         453         70         7         22         77         22           Baht/rai         453         539         160         219         250           Baht/rai         68         24         349         7.1md         450         19.1md           Baht/rai         68         24         34         1,565         1,565         1,565           Baht/rai         7168         7.541         740         1,861         9.355         1	(5) Houselies Value Total	Baht/rai		3,680		10,501		1,430		2,820		10,920		19,197		8,592		7,020
Baht/rai         20kg         138         553         4kg         63         24kg         237         3kg         118         0.15kg           Baht/rai         32kg         208         20kg         106         7kg         50         6kg         43         48kg         341         231kg           n* Baht/rai         453         539         160         219         222           Baht/rai         68         34         7.1md         450         19.1md           Baht/rai         68         24         34         7.1md         184           Baht/rai         1,512         2,960         690         959         1,565           Baht/rai         2,168         7.541         740         1,861         9,355         1	Innut Costs																	
Baht/rai         32kg         208         20kg         106         7kg         50         6kg         43         48kg         341         231kg           Baht/rai         108         70         23         77         222           1° Baht/rai         453         539         160         219         250           Baht/rai         68         34         7.1md         450         19.1md           Baht/rai         68         24         34         1.84           Baht/rai         1,512         2,960         690         959         1,565           Baht/rai         2,168         7.541         740         1.861         9.355         1	(1) Seeds	Raht/rai		138		553	4kg	63	24kg	237	3kg	118	0.15kg	1,359		444		708
Baht/rai 108 70 23 77 222  Baht/rai 108 70 23 77 222  Baht/rai 453 539 160 219 250  Baht/rai 8.5md 537 26.4md 1,624 5.8md 370 5.5md 349 7.1md 450 19.1md  Baht/rai 68 24 34 184  Baht/rai 1,512 2,960 690 959 1,565  Baht/rai 7,168 7,541 740 1,861 9,355 1	(7) Sertilizar	Paht/rai		208	20ko	106	7kg	50	6kg	43	48kg	341	231kg	1,640		519	112kg	717
Baht/rai         453         539         160         219         250           Baht/rai         68         24         37         26.4md         1,624         5.8md         370         5.5md         349         7.1md         450         19.1md           Baht/rai         1,512         2,960         690         959         1,565         1,565           Baht/rai         2,168         7,541         740         1,861         9,355         1	(2) Ann-chemicale	Raht/rai		108		202	<u>.</u>	8	•	11	,	222	<b>)</b>	1,207		382		647
Baht/rai 8.5md 537 26.4md 1,624 5.8md 370 5.5md 349 7.1md 450 19.1md Baht/rai 68 68 24 34 184 Baht/rai 1,512 2,960 690 959 1,565 Baht/rai 2,168 7.541 740 1.861 9.355 1	(4) I and Prenaration	* Raht/rai		453		539		160		219		250		220		212		499
Baht/rai 68 68 24 34 184 Baht/rai 1,512 2,960 690 959 1,565 Baht/rai 2,168 7,541 740 1,861 9,355 1	(5) Jabour	Raht/ra		537		1.624		370		349	7.1md	450	_	1,213		596	18.2md	1,155
Baht/rai 1,512 2,960 690 959 1,565 1,565 Raht/rai 2,168 7,541 740 1,861 9,355	(5) Others	Raht/ra		82		89		24		8		184		75		79		290
2 168 7 541 740 1.861 9.355	Total	Baht/rai		1,512		2,960		9		959		1,565		5,714		2,232		3,516
	Net Value	Baht/rai		2,168		7,541		740		1,861		9,355		13,483		6,360		3,504

Note: 1) \* indicates dependence on mechanization, including fuel cost.
2) Vegetables include eucumber, long beans, etc.
Source: Farm household survey.

Table 13-16 Crop Budget of Agricultural Products for Chao Phraya Upper East Delta in Economic Terms (Suture With Project Case)

		Paddy	dy	Field Crops	Crops					Other Field Crops	d Crops		ĺ		İ	Vegetables	ples
Item	E	Dry Season	ason	Sugarcane	cane	Mungbean	Sean	Soybean	eart	Sweet Corn	Com	Water Melon	felon	Average	Į,	Vegetables	Sics
	•	Amount Value		Amount Value	i	Amout	Value .	Value Amount Value		Amount	Value	Amount Value Amount Value	/alue	Amount Value		Amount Value	Value
Value of Output		1										•				9	
(1) Yield	kg/rai	850		10,580		500		8		2,300		2,780				3,4	
(2) Unit Price	Baht/kg			1,048		11.0		14.1		2.6		7.9				5.4	
(3) Production Value	. Baht/rai		3.910		11,088		2,200		4,230		12,880	. •	21,962	-	10,318		8,046
Total	Baht/rai		3,910		11,088		2,200		4,230		12,880		21,962	1	0,318		8,046
Input Costs																	
(1) Seeds	Baht/rai	25kg	165		517	6kg	8	10kg	141	5kg	188		1,340		440	4kg	263
(2) Fertilizer	Bahi/rai	52kg	338	35kg	186	10kg	71	15kg	107	90kg	639	260kg	1,846		999	120 kg	768
(3) Aero-chemicals	Baht/rai	)	141		75	•	35	·	8		220		1,141		367		647
(4) Land Preparation	* Baht/rai		466		428		147	-	162		247		200		189		499
(5) Labour	Baht/rai	9,4md	267	27.7md	1,673 6	6.3md	381	5.9md	354	7.8тd	472	20.6md	1,223		809	19.2md	1,162
(6) Others	Baht/rai		115		74		43		46		184		72		86		290
Total	Baht/rai	:	1,792		2,953		767		880	•	1,950		5,822		2,356		3,629
Net Value	Baht/rai		2,118		8,135		1,433		3,350		10,930		16,140		7,962		4,417
																	1

Table 13-17 Crop Budget of Agricultural Products for Chao Phraya Lower West Delta in Economic Terns (Future Without Project Case)

															77.	Josephlee	9
		Paddy	ďγ	Field Crops	cops				Ō	Other Field Crops	Crops				*   	Scians	ا
		D. Passage		Commonant	ouc.	Munchen	hean	Sowheans	Į š	Sweet Com	mo.	Water Melon	Melon	Average	Ž	Vegetables	8
Item	5	Amount Value		Amount Value	ł	Amout Value		Amount Value Amount Value Amount Value	/alue A	mount	Value /	4mount	Value	Amount Value		Amount Value	e
Value of Output (1) Yield (2) Unit Price (3) Production Value Total Input Costs (1) Seeds (2) Fertilizer	kg/rai Baht/rai Baht/rai Baht/rai Baht/rai	753 4.6 23kg 46kg	3,464 3,464 164 299	9,470 1.051	9,953 9,953 529 239	160 11.0 5kg 10kg	1,760 1,760 1,760	200 14.1 24kg 6kg	2,820 2,820 237 237	1,950 5.6 1 3kg	10,920 10,920 1118 341	2,430 7.9 0.15kg	19,197 19,197 1,359 1,640	8,674 8,674 449 524 394	1,300 5.4 74 74 49 3kg 49 3kg	4.4	7,020 7,020 208 717 647
(3) Agro-chemicals (4) Land Preparation* (5) Labour (6) Others Total	Baht/rai Baht/rai Baht/rai Baht/rai Baht/rai	9.1md	St 22 88 54.1	26.8md	24 1,644 70 3,019	5.8md	367	5.5md	349 349 349 349 349 349 349 349 349 349	7.1md	250 450 184 1,565	19.1md	220 1,213 75 5,714 13,483	22 22	214 595 18.2md 92 2,268 6,406		499 1,155 290 3,516 3,504
Net Value	Bahtrai		1,665		0,934		7.57										

Note: 1) \* indicates dependence on mechanization, including fuel cost.
2) Vegetables include cucumber, long beans, etc.
Source: Farm household survey.

Table 13-18 Crop Budget of Agricultural Products for Chao Phraya Lower West Delta in Economic Terms (Future With Project Case)

		Paddy	2	Field Crops	soor				°	Other Field Crops	d Crops				Vege	Vegetables
	:			Current		Munohean	hean	Sovbeans	Sus	Sweet Com	ا ا	Water Melon	felon	Average	Vege	Vegetables
ilem	ii O	Amount Value	Value	Amount Value	1	Amout	Value	Value Amount Value	Value /	Amount Value	Value	Amount	Value	Amount Value Amount Value	e Amount Value	Value
Value of Output	kg/rai	820		10,580		200		300		2,300		2,780			1,490	
(2) Unit Price (3) Production Value	Baht/kg Baht/rai Raht/rai		3,910	1.051	11,120	11.0	2,200	14.1	4,230	60	12,880		21,962 21,962	10,318 10,318		8,046
Lotal											-	-				
Input Costs	Dalla (m.		165		517	, eke	96	10kg	141	Skg	188	0.16kg	1,340	4	0 4kg	263
(1) Seeds	Dalleton;	3 5	338	1510	186	10kg	7	15kg	107	90kg	639	260kg	1,846	٠	666 120kg	768
(Z) remizer	Dallyida		3 5	9	7		35	•	2	ì	220		1,141	ř		547
(3) Agro-chemicals	Dan(Ta)	-	777		428	•	147		162		247		200	77	<u> </u>	499
(4) Land Preparation	Danyra)		904	27 8mg	1691	6 Amd	8	6.1md	368	7.8md	470	20.6md	1,227		613 19.4md	1,172
(S) Labour	Danyrai	) #IIIG	900		7,		43		46		184	184	72	~	9	290
(6) Others	Bahi/rai		1 1 E		2.961		774		894		1,948		5,826	2,361	51	3,639
Idia	Dangian					-	1		2000		10.022		76131	7.957	2.2	4.407
Net Value	Baht/ras		2,117		8,159		1,420		0,00		7,7,7		3			

Table 13-19 Crop Budget of Agricultural Products for Chao Phraya Lower East Delta in Economic Terms (Future Without Project Case)

		Paddy	숅	Field Crops	Crops					Other Field Crops	d Crops					Vegetables	bles
E S	Tie!	S ACC	Dry Spacon	Sugarcane	Cane	Munchean	bean	Sovbean	can	Sweet Corn	Corn	Water Melon	delon	Average	281	Vegetables	bies
	5	Amount	Value	Amount Value Amount Value	Value	Amout Value		Amount	Value ,	Amount	Value	Amount Value Amount Value Amount Value	/alue	Amount	Value	Amount Value	'aine
Value of Output  (1) Yield	kg/rai	800	,	10,020		130		200		1,950	3	2,430				1,300	
(2) Unit rince (3) Production Value Total	Baht/rai Baht/rai		3,680	150/1	10,531		1,430		2,820	<u>.</u>	10,920		19,197 19,197		8,592		7,020
Inmit Costs																	
(1) Seeds	Bahi/rai		138		553	4kg	63		237	3kg	118	0.15kg	1,359		44		208
(2) Fertilizer	Bah1/rai	32kg	208	20kg	106	7,		648	43	48kg	341	231kg	1,640		519	112kg	717
(2) Aem-chemicals	Paht/ra		108	C	20	3	23		77	<b>,</b>	222		1,207		382		647
(4) I and Preparation	* Baht/rai		453		539		160		219		250		220		212		499
(5) I shour	Bah1/rai	8.5md	537	26.4md	1.624	5.8md	370	5.5md	349	7.1md	450	19.1md	1,213		296	18.2md	1,155
(6) Others	Paht/rai		99		86		24		34		184		75		79		290
Total	Baht/rai		1,512		2,960		069		959		1,565		5,714		2,232		3,516
Net Value	Baht/rai		2,168		7,571		740		1,861		9,355		13,483		6,360		3,504

Note: 1) \* indicates dependence on mechanization, including fuel cost.
2) Vegetables include cucumber, long beans, etc.
Source: Farm household survey.

Table 13-20 Crop Budget of Agricultural Products for Chao Phraya Lower East Delta in Economic Terms (Future With Project Case)

	٠	Paddy		Field Crops	Stops				٦	Other Field Crops	d Crops					Vegetables	aples
Item	Guit	Dry Season	gog	Sugarcane	cane	Mungbean	bean	Soybean	ean	Sweet Com	Com	Water Melon	felon	Average	ge	Vegetables	ables
		Amount Value	/alue	Amount Value	Value	Алоп	اوا	Amount Value	ii	Amount Value		Amount Value	i 1	Amount Value	Value	Amount Value	Value
Value of Output																	
(1) Yield	Kg/rai	820		10,580		200		300		2,300		2,780				1,490	
(2) Unit Price	Baht/kg	4.6		1.051		11.0		14.1		5.6		7.9				5.4	
(3) Production Value	Baht/rai		3.910		11.120		2,200		4,230		12,880	(4	23,962	,-1	10,318		8,046
Total	Baht/rai		3,910		11,120		2,200		4,230		12,880	. 4	21,962	, ,	10,318		8,046
Input Costs								-									
(1) Seeds	Raht/rai	2540	165		517	6kg	8	10kg	141	Skg	188		1,340		440	4kg	263
(2) Sectilizer	Rohtfrai	2.2	338	3510	186	10  ¢	7	15ke	107	90kg	639	260kg	1,846		999	120kg	768
(2) I vittilitori		4	2 7	9				0	6		220		1 141		367	,	647
(3) Agro-chemicais	Danyrai		141		5		ç		2		1		4 4 4				
(4) Land Preparation	• Baht/rai		466		428		147	-	162		247		200		33		4
(5) Labour	Baht/rai	9.4md	267	27.7md	1,673	6.3md	381	5.9md	354	7.8md	472	20.6md	1,223		809	19.2md	1,162
(6) Others	Baht/raj		115		74		43		46		184		72		86		290
Total	Baht/rai		1,792		2,953		767		880		1,950		5,822		2,356		3,629
Net Value	Baht/rai		2.118		8.167		1,433		3,350		10,930		16,140		7,962		4,417

Note: 1) \* indicates dependence on mechanization, including fuel cost.
2) Vegetables include cucumber, long beans, etc.
Source: Farm household survey.

13.15

Table 13-21 Crop Budget of Agricultural Products for Whole Chao Phraya Delta in Economic Terms (Future Without Project Case)

		Paddy	4	Field Crons	rons				ľ	Other Field Crops	d Crops				Vegetables	ples
	17.71	Grant C		Custones	9400	Munchean	near	Sovbean	an.	Sweet Com	Com	Water Melon	felon	Average	Vegetables	bles
Tiem	5	Amount Value		Amount Value	Value	Amout	9	Amount Value	i 1	Amount Value	Value	Amount Value	il	Amount Value	Amount Value	aine.
Value of Output (1) Yield (2) Unit Price (3) Production Value Total	kg/rai Baht/kg Baht/rai Baht/rai	4.6	3,574	9,745	10,232	145	1,595 1,595	200	2,820	1,950 5.6	10,920 10,920	2,430	19,197 19,197	8,633 8,633	1,300	7,020
Costs eeds ertilizer ertilizer and Preparation*	Baht/rai Baht/rai Baht/rai Baht/rai Baht/rai Baht/rai	22kg 39kg	151 254 129 488 488 551 85 1,658	33kg 26.6md	541 175 79 494 1,634 69 2,992	5kg 9kg 9kg 5.8md	72 64 47 163 369 49 764	24kg 6kg 5.5md	237 43 77 219 349 34	3kg 48kg 7.1md	118 341 222 250 250 450 1,565	0.15kg 231kg 19.1md	1,359 1,640 1,207 220 1,213 75 5,714	447 522 388 388 213 595 8 8 2,251	7 3kg 2 112kg 3 18.2md	208 717 647 499 1,155 290 3,516
Net Value	Baht/rai		1,916		7,240		831		1,861		9,355		13,483	6,382	2	5.05 4.

Note: 1)\* indicates dependence on mechanization, including fuel cost.
2) Vegetables include cucumber, long beans, etc.
Source: Farm household survey.

Table 13-22 Crop Budget of Agricultural Products for Whole Chao Phraya Delta in Economic Terms (Future With Project Case)

		Paddy	3	Field Crops	Suor				$ ^{\circ}$	Other Field Crops	d Crops					Vegetables	bles
	11.11	D. Canon		Cumarante	- duo	Munohean	hean	Sovbean	na.	Sweet Com	Sugar	Water Melon	Melon	Average	36	Vegetables	bles
liem I	5	Amount Value		Amount Value	Value	Amout	9	Amount Value		Amount Value	Value	Amount Value	Value	Amount Value	1	Amount	Value
Value of Output (1) Yield	kg/rai	820		10,580		500		300		2,300		2,780	*			1,490	
(2) Unit Price (3) Production Value	Baht/kg Baht/rai		3,910	6	11,109	0.11	2,200	<u></u>	4,230		12,880	}	21,962	,-,	10,318		8,046 8,046
Totai	Baht/rai		3,910		11,109		3,4		201		200						
Input Costs			391		517	ele ele	8	10kg	141	Skg	188	0.16kg	1,340		440		263
(1) Seeds	Dant/rai	200	338	35kg	38		2 5	15kg	116	90kg	639	260kg	1,846		999	120kg	768
(2) remilizer	Dalit/Iai		141	9	25	4	35	•	35	)	220	٠	1,141		367		647
(3) Agro-cilcumcais	Dally Ia		466		428		147		162		247		200				499
(4) Land racpaignon	Dahtfrai	0 4md		27.8md	1.677	6.4md	384	6.0md		7.8md	471	20.6md	1,225			19.3md	1,167
(5) Others	Boht/rai				74		43		380		184		72		86		530
(o) Omers Total	Baht/rai		1.793		2,957		770		45		1,949		5,824		2,358		3,634
Net Volue	Raht/rai		2.117		8,152		1,430		4,185		10,931		16,138		7,960		4,412
Tier value				-													

Table 13-23 Crop Budget of Agricultural Products for Phisanulok Irrigation Project nd DEDP Pumping Scheme in Economic Terms (Future Without Project Case)

		Pac	Paddy	Field Crops	Crops					Other Field Crops	d Crops				Vegetables	bles
E	Linit	Dry Season	Pason	Sugarcane	Cane	Munebean	bean	Soybean	ean	Sweet Corn	Com	Water Melon	<b>de</b> lon	Average	Vegetables	ples
		Amount	Amount Value	2	Value	Amout	Value	Amount Value		Amount Value	Value	Amount Value	/aluc	Amount Value	Amount Value	/alue
Value of Output	la feai			909.0		153		200		1.950		2,430			1,300	
(1) Tield (2) Dait Price	Raht/ko	4.5		100		10.9		14.0		5.5	. '	7.8			5.3	
(3) Production Value	e Baht/rai		3,519		10,002		1,668		2,800		10,725		18,954	8,537		6,890
Total	Baht/raj		3,519		10,002	.	1,668		2,800		10,725		18,954	/£C'8		0,890
Input Costs										٠				;		
(1) Seeds	Baht/rai		157	٠	535	Skg	77	24kg	237	3kg	118	0.15kg	1,359	448	3 <b>K</b> B	208
(2) Fertilizer	Baht/rai	42kg	277	39kg	211	918	છ	okg Okg	43	48kg	346	231kg	1,663	529		728
(3) Agra-chemicals	Baht/rai		140		84	,	59		77		222		1,207	391		647
(4) I and Prenaration	Baht/rai		505	٠	472	:	165		219		250		220	214		499
(5) Labour	Roht/rai	8.0md	557	26.7md	1.639	5.8md	368	5.5md	340	7.1md	450	19.1md	1,213	595	18.2md	1,155
(s) Others	Raht/rai		8		69		62		34		184		75	8		58
Total	Baht/rai		1,728		3,010		796		959		1,570		5,737	2,266		3,527
Net Value	Baht/rai		1,791		6,992		872		1,841		9,155		13,217	6,271		3,363

Note: 1) \* indicates dependence on mechanization, including fuel cost.
2) Vegetables include cucumber, long beans, etc.
Source: Farm household survey.

Table 13-24 Crop Budget of Agricultural Products for Phisanulok Irrigation Project and DEDP Pumping Scheme in Economic Terms (Future With Project Case)

		Pac	Paddy	Field Crops	rops					Other Field Crops	ld Crops				Vegetables	ables
Item	Unit	S ALC	Dry Season	Sugarcane	cane	Mungbean	bean	Soybean	ean	Sweet Corn	Com	Water Melon	Melon	Average	Vegetables	ables
		Amount Value	Value	Amount Value	Value	Amout	Value	Amount Value		Amount Value		Amount Value	i i	Amount Value	Amount Value	Value
Value of Output																
(1) Yield	kg/raj	820		10,580		500	٠	8		2,300		2,780			1,490	
(2) Unit Price	Baht/kg			1.041		10.9		14.0		5.5						
(3) Production Value	e Baht/rai		3,910		11,014		2,180		4,200		12,650		21,684	10,179	_	7,897
Total	Baht/rai		3,910		11,014		2,180		4,200		12,650		21,684	10,179		7,897
Input Costs																,
(1) Seeds	Baht/rai		165		517	6kg	8	10kg	141	Skg	188	0.16kg	1,340	440	4kg	263
(2) Fertilizer	Baht/rai	52kg	343	35kg	189	10kg	72	15kg	108	90Kg	648	260kg	1,872	675	•	780
(2) Amo-chemicale	Hoh!/rai		141		75	•	35		20		220		1,141	367		647
(4) I and Prenaration	n' Rahi/rai		466	-	428		147		162		247		200	189	_	499
(5) 1 shour	Pahi/rai	9.4md	\$68	27.8md	629	6.4md	386	6.0md	365	7.8md	471	20.6md	1,225	612	19.3md	1,169
(6) Others	Haht/rai		1.5		74		43		4		184		72	98		290
Total	Baht/rai		1,798		2,962		773		892		1,958		5,850	2,369	_	3,648
Net Value	Baht/rai		2,112		8,052		1,407		3,308		10,692		15,834	7,810	_	4,249

Table 13-25 Crop Budget of Agricultural Products for Associate Irrigation Projects in Economic Terms (Future Without Project Case)

				Field (	Crops			Veget	ables
Item	Unit	Mung	bean	Soyb	ean	Aver	age	Veget	ables
		Amout	Value	Amount	Value	Amount	Value	Amount	Value
Value of Output				1.05					
(1) Yield	kg/rai	170		200				1,300	
(2) Unit Price	Baht/kg	10.8		13.9				5.2	
(3) Production Value	Baht/rai		1,836		2,780		2,308		6,760
Total	Baht/rai		1,836		2,780		2,308		6,760
Input Costs								· · · · · · · · · · · · · · · · · · ·	
(1) Seeds	Baht/rai	5kg	81	24kg	237		159	3kg	208
(2) Fertilizer	Baht/rai	8kg	59	6kg	44		52	112kg	728
(3) Agro-chemicals	Baht/rai	_	53		77		65	_	647
(4) Land Preparation*	Baht/rai		155		219		187		499
(5) Labour	Baht/rai	5.8md	370	5.5md	349		360	18.2md	1,155
(6) Others	Baht/rai		59		34		47		290
Total	Baht/rai		777	•	960		870		3,527
Net Value	Baht/rai		1,059		1,820		1,438		3,233

Note: 1) \* indicates dependence on mechanization, including fuel cost.

2) Vegetables include cucumber, long beans, etc.

Source: Farm household survey.

Table 13-26 Crop Budget of Agricultural Products for Associate Irrigation Projects in Economic Terms (Future With Project Case)

		Pac	ldy			Field (	Crops			Veget	ables
Item	Unit	Dry S	eason	Mung	gbean	Soyt	ean	Aver	age	Veget	ables
		Amount	Value	Amout	Value	Amount	Value	Amount	Value	Amount	Value
Value of Output											
(1) Yield	kg/rai	850		200		300			-	1,490	
(2) Unit Price	Baht/kg	4.5		10.8		13.9				5.2	
(3) Production Value	Baht/rai		3,825		2,160		4,170		3,165	1	7,748
Total	Baht/rai		3,825	• .	2,160		4,170		3,165		7,748
Input Costs											
(1) Seeds	Baht/rai	25kg	165	6kg	90	10kg	141		116	4kg	263
(2) Fertilizer	Baht/rai	52kg	343	10kg	73	15kg	110		92	120kg	780
(3) Agro-chemicals	Baht/rai		141		35		70		53		647
(4) Land Preparation*	Baht/rai		466		147	, t	162		155		499
(5) Labour	Baht/rai	9.4md	568	6.4md	386	6.2md	373		380	19.3md	1,169
(6) Others	Baht/rai	ĺ	- 115		43		46	100	45		290
Total	Baht/rai	<u> </u>	1,798		774		902		841		3,648
Net Value	Baht/rai		2,027		1,386		3,268		2,324		4,100

Note: 1) \* indicates dependence on mechanization, including fuel cost.

2) Vegetables include cucumber, long beans, etc.

Source: Farm household survey.

Table 13-27 Crop Budget of Fruit Trees for Whole Benefit Area in Economic Terms

		Future With	out Project	Future Wi	th Project
Item	Unit	Мап	go*	Mang	30**
	•	Amount	Value	Amount	Value
Value of Output					
(1) Yield	kg/rai	1,084		884	
(2) Unit Price	Baht/kg	11.3		22.0	
(3) Production Value	Baht/rai		12,249		19,448
Total	Baht/rai		12,249		19,448
Input Costs					
(1) Initial Investment Cost	Baht/rai				
(a) Pump	Baht/rai		1,058		1,210
(b) Sprinkler	Baht/rai		282		323
(c) Sprayer	Baht/rai		229		262
(d) Others	Baht/rai		184		59
(2) Opreation Cost	Baht/rai				
(a) Fertilizer	Baht/rai	247kg	1,778	139kg	1,001
(b) Agro-chemicals	Baht/rai	l	832		375
(c) Labour	Baht/rai	7.5md	475	9.1md	578
(d) Others	Baht/rai		302		640
Total	Baht/rai	i .	5,140	<u> </u>	4,448
Net Value	Baht/ra		7,109		15,000

Note: \* indicates local varieties.

\*\* indicates an export-type variety.
Source: Farm household survey.

Table 13-28 Fish Culture Budget for Whole Benefit Area in Economic Terms

Item	Unit	Future Without Project	Future With Project
Value of Output	<u></u>		
(1) Yield	t/rai	0.37	1.33
(2) Unit Price	Baht/t	16,327	16,327
(3) Production Value	Baht/rai	6,041	21,715
Total	Baht/rai	6,041	21,715
Input Costs		,	
(1) Initial Investment Cost			
(a) Pond Digging*	Baht/rai	12,696	12,696
(b) Pump Cost**	Baht/rai	4,313	4,313
(2) Operation Cost	•		
(a) Flingerlings	Baht/rai	321.48	662.7
(b) Labour	Baht/rai	793	302.5
(c) Feed	Baht/rai	36.66	2,297
(d) Limestone	Baht/rai	123.28	2,371
(e) Fuel	Baht/rai	118.68	310.96
(f) Others	Baht/rai	2,171	0
Total	Baht/rai	•	5,944
Net Value	Baht/rai	2,477	15,771

Note: 1) \* indicates negligible value due to semi-permanent utilization of the digged pond.

2) \*\* indicates negligible value due to multifarious utilization of a pump.

Source: Farm household survey.

Table 13-29 Scenarios for Agricultural Development in Benefit Area

			Cha	Chao Phraya Delta	slta	Phitsanulok Irrigation Project (Stage 1)	rigation Proje	ct (Stage 1)	Phitsanulok I.	rrigation Project (Stage 2)	ect (Slage 2)	Associate	Associate Irrigation Projects	rojects		Total	
	Water Availability	Š	١	A Page		and Existing	DEDP Fumpi	ng scheme	and New D	nonned Area	g scheine	Ö	opped Area			Propped Area	
Scenario	Development	5	FW/O Case	FW/O Case FW Case Increment	Increment	FW/O Case	FW Case	Increment	FW/O Case	FW Case	Increment	FW/O Case	FW Case	ncrement 1	FW/O Case	FW Case	Increment
	(MCM)	- 1	(1,000 rai)	(1,000 rai)	(1,000 rai)	디	(1,000 rai)	(1,000 rai)	(1,000 rai)	(1,000,12)	(1,000 m)	(1,000 rat)	(1,000 rai)	21.5	2 770 6	2 022 0	164.4
Plan A-1	1,707		2,208.7	2,279.9	71.2		397.5	-172.3	<b>&gt;</b> 0	224.0	0.422	<b>&gt;</b> <	2 -	51.5 C	1757	290.4	115.7
		Sugarcane	175.2	290.4	115.2		) O	, 4y	<b>&gt;</b> C	26.0	26.0		25.0	25.0	92.2	351.5	259.3
			4.00.7	170.4	128.7		33.6	28.5	0	21.0	21.0	0	12.0	12.0	46.8	237.0	190.2
	:		1312	5313	208.1		78.4	78.4	0	49.0	49.0	0	25.0	25.0	323.2	683.7	360.5
v			136.9	190.9	54.0		16.8	16.5	0	10.5	10.5	0	6.5	6.5	137.2	224.7	87.5
		voir Fis	0	0	0	0 0	0 (	o ş	00	0 202	0 076	•	57.0	57.0	3 443 1	57.0	1 224 1
		ı	2,952.6	3,043.9	51.60	1	013.8	500		2000	0.805		23.55	3 5	2 778 5	3.087.7	104.7
Plan A-2	1,985	_	2,208.7	2,388.1	179.4		439.6	-130.2	o c	0.422	0. <b>4</b> 27	<b>-</b> -	d o	0	175.2	290.4	115.2
		Sugarcane Field Cons	7.07	181.0	114.1		89.5	64.2	<b>,</b> 0	56.0	56.0		25.0	25.0	92.2	351.5	259.3
			41.7	170.4	128 7		33.6	28.5	0	21.0	21.0	0	12.0	12.0	46.8	237.0	190.2
			323.2	531.3	208.1		78.4	78.4	0	49.0	49.0	0	25.0	25.0	323.2	683.7	360.5
		Fish Pond	136.9	190.9	54.0		16.8	16.5	0	10.5	16.5	۰ ،	6.5	5.5	137.2	224.7	2/2 2/2
		voir Fis	0	0	0		0	0	0 (	0 5	D 5		0.75	0.75	- Ş	0.74	27.4
		Total	2,952.6	3,752.1	799.5	- 1	657.9	57.4	٥	360.5	360.5	5	D/CI	C./CI	1,555.1	4,927.3	1,5/4,4
Plan A-3	2,232	Dry Paddy	2,208.7	2,484.1	275.4		477.1	-92.7	0	224.0	224.0	٥,	31.5	31.5	2,778.5	3,216.7	438.2
			175.2	290.4	115.2		0	O	0	0	0 ;	۵ ،	<u>ء</u> ج	ာ ပို	7707	250.4	2502
			6.99	181.0	114.1		89.5	64.2	0 (	56.0	56.0	0 0	25.0	25.0	77.7	351.5	2001
			41.7	170.4	128.7		33.6	28.5	•	21.0	21.0	-	0.21	12.0	40.6	0.757	360.5
		<b>.</b>	323.2	531.3	208.1		4.07	80.	<b>-</b>	0.6		> 0	0.03	5.5	7.575	224.7	87.5
		Fish Pond	136.9	90.	5. c		10.0	Cor o	• •	<u> </u>	<u> </u>	<b>-</b>	27.0	57.0	10	57.0	57.0
		Keservoir rish	2 052 6	3 848 1	20.5		695.4	94.9	. 0	360.5	360.5	0	157.0	157.0	3,553.1	5,061.0	1,507.9
4	1 707	1	7.900.0	7 808 C	4100	ı	3 605	.1723	c	c	0	0	31.5	31.5	2,778.5	3,057.6	279.1
Light D-1	10/11		175.7	200.4	115.2		0	_	•	0	0	0	0	0	175.2	290.4	115.2
		9	6.99	181.0	114.1		89.5	64.2		ò	0	9	25.0	25.0	92.2	295.5	203.3
			41.7	170.4	128.7		33.6	28.5	0	0	0	0	12.0	12.0	46.8	216.0	169.2
			323.2	531.3	208.1		78.4	78.4	0	0	0	0	25.0	25.0	323.2	634.7	311.5
		Fish Pond	136.9	190.9	54.0		16.8	16.5	•	0		•	6.5	. 6.5	137.2	214.2	77.0
		voir Fis	0	0	Ġ.		0 ;	ې ه	0 0	0 0	00	•	57.0	57.0	3 442 1	27.0	57.0
		H	2,952.6	3,992.6	1,040.1	-	8757	555		5			3:5	27.5	2 770 6	2 240 1	4616
Plan B-2	1,985	_	2,208.7	2,769.0	5603		439.6	7707		<b>&gt;</b> C	<b>-</b>	<b>-</b>	e c		175.2	290.4	115.2
		Field Cons	6,699	181.0	114.1		89.5	64.2	0	0		0	25.0	25.0	92.2	295.5	203.3
			41.7	170.4	128.7		33.6	28.5	0	0	0	0	12.0	12.0	46.8	216.0	169.2
	•		323.2	531.3	208.1		78.4	78.4	0	0	0	٥	25.0	25.0	323.2	634.7	311.5
		Fish Pond	136.9	190.9	54.0		16.8	16.5	0	0	0	0	6.5	6.5	137.2	214.2	77.0
		voir Fis	0	0	0		0 (	- - -	0	0 0	0 0	0 0	57.0	57.0	3 <53 1	57.0	57.0 1 304 8
		- 1	2,952.6	4,133.0	1,180.4		627.9	47,5				•	21.5	2,75	2 977 6	2 400 2	82.03
Plan B-3	2,232		2,208.7	2,893.7	685.0		477.1	-92.7	<b>-</b>	<b>=</b> -	<b>-</b>	<b>-</b>			175.2	290.4	115.2
			7.07	7067	7701		9 6	643		o c		· c	25.0	25.0	92.2	295.5	203.3
	•	Yearthle	, 100. V 1.	170.4	1,20,7		33.6	28.5	•	o c	·		12.0	12.0	46.8	216.0	169.2
			101	431.3	208.1		78.0	78.4	o <b>c</b>	0	0	• •	25.0	25.0	323.2	634.7	311.5
٠			136.9	190.9	540.1		16.8	16.5		0	0	. 0	6.5	6.5	137.2	214.2	77.0
		莲	0	0	0		0	0	0	0	0	<b>⇔</b>	57.0	57.0	0	57.0	57.0
		Total	2,952.6	4,257.7	1,305.1		695.4	94.9	0	0	0	0	157.0	157.0	3,553.1	5,110.1	1,557.0
Note: 1) Do	suble cropping in	Note: 1) Double cropping in vegetation for the whole benefit	e whole ber	nefit area is a	assumed in the FW cas	he FW case.											:

Note: 1) Double cropping in vegetation for the whole benefit area is assumed in the FW case.
2) The Associate Irrigation Projects include reservoir fish culture.

Table 13-30 Net Incremental Value of Agricultural Products at Full Development in Economic Terms for Whole Benefit Area (Plan A-1)

(Sago	Achievement of				and Existin	a DEDP Pump		and New	AND NEW DELDT FUILDING SCIENIE	X OCINE			Total Net	peromonta	Total
Item Increment (FW Case - FW/O Case) ) Dry Paddy ) Sugarcane	:								To Common to the	200	Zer Valine	nerementa		INCICINGATION	
Increment (FW Case - FW/O Case) ) Dry Paddy ) Sugarcane	Target Yields   Net Value	_	4	Total Net Net Value Incremental Value Cropped Are	Net Value	æ	Value (Bahdrai)	-	Cropped Area (1,000 rai)	Value (1,000 Baht)		Cropped Area (1,000 rai)	Value (1,006 Baht)	Cropped Area (1,000 rai)	Value (1,000 Baht)
Increment (FW Case - FW/O Case) ) Dry Paddy ) Sugarcane	(%)	(DEMOLIAII)	(1)(1)	(T) COO COURT	(Dany)	1	ì								
(FW Case - FW/O Case) ) Dry Paddy ) Sugarcane	<b>Q</b>				-									•	
Dry Paddy Sugarcane			í	50.00	1 230	5 621	229 150	1.330	224,0	297,920	1,262	31.5	39,753	154.4	203,566
Sugarcane		CCC.	7.7	750,66	2004	(m)		070		· c	_	c	0	115.2	683,136
		5,930	115.2	683,136	5,849	<b>-</b>	Э	2,549	·			, ,	) 1.C C	2503	1 409.278
(3) Other Field Crops		5,897	114.1	672,848	5,77.5	64.2	370,755	5,775	26.0	323,400	1,691	0.62	44,613	0.60	2,400,44
Value spend deep		2.803	128.7	360.746	2.670	28.5	76,095	2,670	21.0	56,070	2,550	12.0	30,600	190.2	115,528
(4) Vegetables		COO's	750°	2711	304 55	780	970.710	11 106	49.0	544,194	11,106	25.0	277,650	360.5	4,003,713
(5) Fruit Trees		11,106	208.1	4,311,139	11,100	***	01/01/0	2011		900	31.420	4	74 282	87.5	056,966
(6) Fish Pond		11,428	54.0	617,112	11,428	16.5	188,562	11,428	cor	113,33	074,41	3 8	007 300	C t	125,608
(7) Reservoir Fish		5.714		0	5,714	٥	0	5,714	0	0	5,714	0.76	960,626	27.5	2000
Marine Total			£ 109	4.740.053		15.3	1,276,963		360.5	1,341,578		157.0	790,258	1,224.1	8,148,852
TOIS				147.101	195	0 70	112.457	772	59.5	45,934	855	31.5	26,933	563.2	632,425
2. Loss of Wet Season		C81.1	5//5	101,12	7071	}									
raddy Froduction				4 202 952			1,164,506			1,295,644			763,325		7,516,427
3. Net incremental value	8														
1. Increment /EW Case - EW/O Case)	3														
(Tree Contraction of the Contrac		1.726	71.2	122,891	1,721	-1723	-296,528	1,721	224.0	385,504	1,645	31.5	51,818	154.4	263,685
DIY Fauny				611 173	6.050	<b>-</b>	<b>c</b>	6.950	0	0	0	0	0	115.2	811,123
(2) Sugarcane		1,041	7.01	700 405	202.7	, 5	111 987	6.793	26.0	380,408	2,008	25.0	50,200	259.3	1,657,204
(3) Other Field Crops		6,928	114.1	/50,485	0,733	4:	ALL OCT			77.630	3.235	120	39.900	190.2	675,342
(4) Vegetables		3,607	128.7	464,221	3,459	28.5	98,582	3,439	777	4,039	30,0	2 0	200,000	3005	4 700 577
(5) Fruit Trees		13,064	208.1	2,718,618	13,064	78.4	1,024,218	13,064	49.0	040,130	00,0	. C.	2000025		******
(6) Fish Pond		13,599	54.0	734,346	13,599	16.5	224,384	13,599	10.5	142,790	13,599	Ş	88,374	6.70	1,202,24
(7) Barrellois Bich		6.700	0	0	6,799	0	o	6.799	0	٥	6,799	27.0	387,543	07/6	28/,343
Reservoir rasii			6013	5 641 684		15.3	1,486,767		360.5	1,621,477	•	157.0	944,455	1,224.1	9,694,383
Total			0.110	443 101	1 195	0.76	112 457	772	59.5	45,934	855	31.5	26,933	563.2	632,425
2. Loss of Wet Season		1,185	511.3	44/101	Cor'I	Ì		1							
Pacidy Production				5 104 503		-	1 374 310			1,575,543			917,522		9,061,958
3. Not Incremental Value				2,174,002											
1. Increment	100														
(FW Case - FW/O Case)			646	05/1/30	2.112	-172.3	-363.898	2,112	224.0	473,088	2,027	31.5	63,851	154,4	323,771
(1) Dry Paddy	•	711,4	771	020 110	6.00	•	_	8.052	o	0	0		0	115.2	939,110
(2) Sugarcanc		2018	7:511	OFT'SCK	300,0		\$01.402	7.810	56.0	437.360	2.324	25.0	58,100	259.3	1,905,098
(3) Other Field Crops		7,960	114.1	067,804	010"/		100,100	0707	210	90,70	7 100	12.0	49.200	190.2	827,350
(4) Vegetables		4,412	128.7	567,824	4,249	C.87	141,037		9 5	000	8	2	275 000	360.5	\$ 407 500
(5) Fruit Trees		15,000	208.1	3,121,500	15,000	78.4	1,176,000	15,000	49.0	om/cc/	ODO'CE	6.C2	0001010	1000	130,000
(6) Fish Pond		15,771	54.0	851,634	15,771	16.5	260,222	15,771	10.5	165,596	15,771	6.5	102,512	C/8	10 X X X X
(7) Descripting		7.885	0	0	7,885	0	0	7,885	0	0	7,885	57.0	449,445	57.0	449,445
The service of the se			691.3	6.539,034	•	15.3	1,694,823	1	360.5	1,900,273	•	157.0	1,098,108	1224.1	11,232,238
		1 185	2773	447.103	1.185	94.9	112,457	772	59.5	45,934	855	31.5	26,933	563.2	632,425
2. Loss of Wet Senson Paddy Production		2011													
2 Mars Townson of Maline				6.091.933			1,582,366			1,854,339			1,071,175		10,599,813

Table 13-33 Not Incremental Value of Agricultural Products at Full Development in Economic Terms for Whole Benefit Area (Plan A.2)

	:	•	Chao Phraya Desta	31.3		The state of the s		And Many	DED Burney	Cohomo				Ė	Total
	Achievement of		- 1		and Existin	ig DEDY run	and Existing DEDP Pumping Scheme	Not Name	Not Value factoments Total Not	Total Net	Not Value	Incremental	Total Net	Incremental	Total Net
Item	Target Yields Net Valu	Net Value	Incremental Cropped Area	Jotal Net Value	Net value			Ž	***	Vaiue	1	Cropped Area		Cropped Area	Value
	(%)	(Baht/rai)	(1,000 rai)	(1,000 Baht)	(Baht/rai)	(1,000 rai)	(1,000 Baht)	(Baht/rai)	(1,000 rai)	(1,000 Baht) (Baht/rai)	(Baht/rai)	(1,000 rai)	(1,000 Baht)	(1,000 rai)	(1,000 Baht)
1. Increment	80														
(FW Case - FW/U Case)				900			331 561	1 320	0.000	207 020	6961	315	30.753	304.7	404,006
(1) Dry Paddy		1,335	179.4	239,499	000	770.7	-1/3,100	00°	0.422	0.000,000	1,004	Circ.	200		32, 603
(2) Sugarcane		5,930	115.2	683,136	5,849	0	0	5,849	•		0	D	∍	77517	062,430
(3) Other Field Crops		5,897	114.1	672,848	5,775	64.2	370,755	5,775	26.0	323,400	1,691	25.0	42,275	259.3	1,409,278
(A) Vennishies		2.803	128.7	360,746	2,670	28.5	76,095	2,670	21.0	56,070	2,550	12.0	30,600	190.2	523,511
t) regulation		701.11	1000	2 311 150	301	78.4	870.710	11.106	49.0	544.194	11.106	25.0	277,650	360.5	4,003,713
(5) Fruit Trees		90T'TT	700.1	C. 144 1 Cres	31,1		ortion	200	9 9	140.00	1 40		14.787	\$7.8	050 000
(6) Fish Fond		11,428	54.0	617,112	11,428	16.5	792'881	11,428	col	119,994	974.11	<b>9</b>	7074	7.70	000,000
(7) Reservoir Fish		5,714	0	0	5,714	Ο.	0	5,714	•	0	5,714	27.0	325,698	57.0	3696
Total			799.5	4,884,500	•	57.4	1,332,956		360.5	1,341,578	•	157.0	790,258	1,374.4	8,349,292
2. Loss of Wet Season	•	1,185	377.3	447,101	1,185	94.9	112,457	277	59.5	45,934	822	31.5	26,933	563.2	632,425
Paddy Production															
3, Net Incremental Value				4,437,399			1,220,499			1,295,644			763,325		7,716,867
1. Increment	8														
(FW Case - FW/O Case)		•													
(1) Dry Paddy		1,726	179.4	309,644	1,721	-130.2	-224074	1,721	224.0	385,504	1,645	31.5	51,818	304.7	522,892
(2) Sugarcane		7,041	115.2	811,123	6,950	٥	0	6,950	0	0	0	0	0	115.2	811,123
(3) Other Field Crops		6,928	114.1	790,485	6,793	64.2	436,111	6,793	26.0	380,408	2,008	25.0	50,200	259.3	1,657,204
(4) Vegetables		3,607	128.7	464,221	3,459	28.5	98,582	3,459	21.0	72,639	3,325	12.0	39,900	190.2	675,342
(5) Fruit Trees		13,064	208.1	2,718,618	13,064	78.4	1,024,218	13,064	49.0	640,136	13,064	25.0	326,600	360.5	4,709,572
(6) Fish Pond		13,599	54.0	734,346	13,599	16.5	224,384	13,599	10.5	142,790	13,599	6.5	88,394	87.5	1,189,914
(7) Reservoir Fish		6.799	0	0	6,799	0	0	6,799	0	0	6,799	57.0	387,543	57.0	387,543
Total		•	799.5	5,828,437	•	57.4	1,559,221		360.5	1,621,477		157.0	944,455	1,374.4	9,953,590
2. Loss of Wet Season		1.185	377.3	447.101	1,185	94.9	112,457	277	59.5	45,934	855	31.5	26,933	563.2	632,425
Paddy Production		1	!				5	٠							
3. Net Incremental Value	•			5,381,336			1,446,764			1,575,543			917,522		9,321,165
1. Increment (FW Case - FW/O Case)	100														
(1) Dry Paddy		2,117	179.4	379,789.80	2,112	-130.2	-274,982	2,112	224.0	473,088	2,027	31.5	63,851	304.7	641,747
(2) Suparcence		8.152	115.2	939,110	8,052	0	0	8,052	0	0	0	0	Þ	115.2	939,110
(3) Other Field Cross		7,960	114.1	908,236	7,810	64.2	501,402	7,810	26.0	437,360	2,324	25.0	58,100	259.3	1,905,098
(4) Vegetables		4.412	128.7	567,824	4.249	28.5	121,097	4,249	21.0	89,229	4,100	12.0	49,200	190.2	827,350
(5) Fruit Trees		15.000	208.1	3,121,500	15,000	78.4	1,176,000	15,000	49.0	735,000	15,000	25.0	375,000	360.5	5,407,500
(6) Fish Pond		15,771	54.0	851,634	15,771	16.5	260,222	12,771	10.5	165,596	15,771	6.5	102,512	87.5	1,379,964
(7) Reservoir Fish		7,885	0	0	7,885	0	0	7,885	0	0	7,885	57.0	449,445	57.0	449,445
Total		•	799.5	6,768,094		57.4	1,783,739		360.5	1,900,273	. •	157.0	1,098,108	1,374.4	11,550,214
2. Loss of Wet Season		1,185	377.3	447,101	1,185	94.9	112,457	2772	59.5	45,934	855	31.5	26,933	563.2	632,425
Paddy Production															1
A Mint In transmission 1 Martin															

Table 13-32 Net Incremental Value of Agricultural Products at Pull Development in Economic Terms for Whole Benefit Area (Plan A-3)

	Achievement of	3	Chao chuaya Dena		and Existin	and Existing DEDP Pumping Scheme and New DEDP Pumping Scheme	ing Scheme	and New	and New DEDP Pumping Scheme	g Scheme				ROOT	۹1
lkеш	Target Yields Net Value		Incremental	Total Net	Net Value	Incrementa!	Total Net	Net Value	Net Value Incremental	Total Net	Not Value	Incremental	Total Net	Incremental	Your Value
	%		Cropped Area (1,000 rai)	(1,000 Baht) (Baht/rai)		Cropped Arca (1,000 rai)	Value (1,000 Baht) (Baht/rai)	(Baht/rai)	Cropped Area (1,000 rai)	(1,000 Baht)	(Baht/rai)	(1,000 rai)	(1,000 Baht)	(1,000 rai)	린
1. Increment	08														
(FW Case - FW/O Case)								.		000			20 763	C 8EV	\$82.041
(1) Dry Paddy		1,335	275.4	367,659	1,330	-92.7	-123,291	1330	224.0	076'167	707'1	51.5	(C) (C)	1000	A51 583
(2) Sugarcane		5,930	115.2	683,136	5,849	0	0	5,849	0	0	0	0	>	113.2	001,000
(3) Other Field Crops		5.897	114.1	672.848	5,775	64.2	370,755	5,775	56.0	323,400	1,691	25.0	42,275	259.3	1,409,278
Tourstine cop		2,803	128.7	360,746	2.670	28.5	76,095	2,670	21.0	56,070	2,550	12.0	30,600	190.2	523,511
(4) Vegetanics		11 105	1000	731740	1108	78.4	870.710	11,106	49.0	544,194	11,106	25.0	277,650	360.5	4,003,713
(5) Fruit Trees		97,100	7007	4CX4LXC42	001.1	+:0/	100 500	31.428	10.5	119 994	11.428	6.5	74,282	87.5	999,950
(6) Fish Pond		11,428	24.0	617,112	11,428	rgr v	700'001	0747	3 -		\$ 714	22.0	325.698	57.0	325,698
(7) Reservoir Fish	-	5,714	0	0	5,714	0	- :	5,714			1	1570	200.758	1 507 0	8 527 327
Total	٠	•	895.5	5,012,660		94.9	1,382,831		300.5	0/017501	, }	2 1	0.000	0104	307 (63
2. Loss of Wet Season		1,185	377.3	447,101	1,185	9 <del>4</del> .9	112,457	TT	59.5	45,934	88	31.5	556,07	7.505	032,44
3. Not Incremental Value			-	4,565,559		:	1,270,374			1,295,644			763,325		7,894,902
1. Increment	8														
(FW Case - FW/O Case)				-					9	102 204	1 646	31.5	51.818	438 20	753.125
(1) Dry Paddy		1,726	275.4	475,340	1,721	-92.7	-159537	1,721	0.427	40. C.		C.10	070(7/	00000	911 172
(2) Sugarcane		7,041	115.2	811,123	6,950	0	•	6,950	0	0	<b>-</b>	₽	>	113.20	CTT-1110
(3) Other Field Croos		6,928	114.1	790,485	6,793	64.2	436,111	6,793	26.0	380,408	2,008	25.0	50,200	259.30	1,657,704
(A) Vacatables		1,607	128.7	464.211	3,459	28.5	98,582	3,459	21.0	72,639	3,325	12.0	39,900	190.20	675,332
(4) regulations (5) Equit Topes		13.064	208.1	2,718,618	13,064	78.4	1,024,218	13,064	49.0	640,136	13,064	25.0	326,600	360.50	4,709,572
(c) First Band		13 590	25	734,346	13,599	16.5	224,384	13,599	10.5	142,790	13,599	6.5	88,394	87.50	1,189,914
(a) I tall I will be t		00,7	_		6.799	0	0	6,799		0	6,799	57.0	387,543	\$7.00	387,543
Acaervoir Fibri		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$ 308	\$ 994.123	. •	6,46	1,623,758	,	360.5	1,621,477	•	157.0	944,455	1,507.90	10,183,813
Total		1.185	377.3	447,101	1,185	94.9	112,457	277	59.5	45,934	855	31.5	26,933	\$63.2	632,425
Paddy Production			!												000
3, Net Incremental Value				5,547,022			1,511,301			1,575,543			917,522		385,155,6
1. Increment	001					. •									
(** Case - r*/O Case)		2117	275.4	583.022	2.112	-92.7	-195782	2,112	224.0	473,088	2,027	31.5	63,851	438.2	924,179
(1) Dry Fadoy		6 167		011 010	650.8	. =	0	8.052	0	0	0	0	0	115.2	939,110
(2) Sugarcane		2010	7 7	008 236	7.810	64.2	501.402	7.810	26.0	437,360	2,324	25.0	58,100	259.3	1,905,098
(3) Other rick Crops		200	1.767	\$CEL 824	9740	28.5	121 097	4.249	21.0	89,229	4,100	12.0	49,200	190.2	827,350
(4) Vegetables		4,414	706	1171 500	15.000	78.4	1.176.000	15.000	49.0	735,000	15,000	25.0	375,000	360.5	5,407,500
(5) Fruit Trees		12,000	7.00.7	851.634	15.771	16.5	260.222	15.771	10.5	165,596	15,771	6.5	102,512	87.5	1,379,964
(6) Fish Pond		17/67	}	50,470	7 885	<u> </u>	-	7.885	0	<b>-</b>	7,885	57.0	449,445	27.0	449,445
(7) Reservoir Fish		(00°,	2 206	ACT 170 A	,	076	1.862.939		360.5	1,900,273		157.0	1,098,108	1,507.9	11,832,646
Total		1 195	177.3	447.101	1.185	94.9	112,457	77.7	59.5	45,934	855	31.5	26,933	563.2	632,425
Loss of wet ocasion Paddy Production		COT T	}		ļ			•							, 00000
							407 000 .			1 954 220			177		77

Table 13-33 Net Incremental Value of Agricultural Products at Full Development in Economic Terms for Whole Benefit Area (Plan B-1)

										C (C.		Accorded Irrigation Projects	A COLOR		
			Chao Phraya Delta		Phitsanulok	Phitsanulok Irrigation Project (Stage 1)		Philipanulos	Phisanulok Imganon Project (Suge 2)	reci (Suge 2) re Scheme				Total	- F
	Achievement of		- 1	1	and Existin	and Existing DEOF Fumping Science		Net Value	Net Value Incremental Total Net	Total Net	Net Value	Incremental	Total Net	Incremental	_
Item	Target Yields Net Value	Net Value	Incremental Cropped Area.	Total Net	Net value	Cropped Area				Value		-	Value	Cropped Area	Value
	8)	(Baht/rai)	(1,000 rai)	(3,000 Bsht)	(Buht/rai)	(1,000 rai)	(1,000 Baht) (Baht/rai)	(Baht/rai)	(1,000 rai)	(1,000 Bant)	(Banura:)	•	לוישמ סמילד)	- 1	200(2)
1. Increment	08														
(FW Case - FW/O Case)						ļ	0.00		<	c	1363	31.5	39.753	279.1	371,161
(1) Dry Paddy		1,335	419.9	260,567	1,330	-172.3	·229,159	J. 33	· > ·	> <	2 .	•		1152	683,136
(2) Sugartane		5,930	115.2	683,136	5,849	Ö	o	5,849	Þ	>	<b>-</b>	> ;			1 005 070
(a) Out - 11-14 Out -		¢ 807	114.1	672,848	5,775	64.2	370,755	5,775		0	1,691	25.0	42,275	502.3	0,000,000
(3) Other Picia Crops		200		345 035	0.29	28.5	76.095	2,670	0	0	2,550	12.0	30,600	169.2	467,441
(4) Vegetables		2,803	7.00	300,740	200	4 90	017.079	11 106	c	0	11.106	25.0	277,650	311.5	3,459,519
(5) Fruit Trees		11,106	208.1	2,311,159	11,106	18.4	910,110	20141	• •	, ,	11 438	4	74.282	77.0	879,956
(6) Fish Pond		11,428	54.0	617,112	11,428	16.5	188,562	11,428	3	<b>&gt;</b> 1	77.4	3	202 202	25	309 502
(7) Boservoir Fish		5.714	0	0	5,714	0	0	5,714	<b>¢</b>	<b>-</b>	5,714	0.70	260,000	2.0	OSD CEC E
(1) Numerical a non-		. '	1040.0	5,205,568		15.3	1,276,963		0	0		157.0	790,258	1,212.3	1,414,167
10(8)		901	377.3	447 101	1.185	676	112,457	777	0	0	822	31.5	26,933	503.7	586,491
2, Loss of Wet Season		3,183													
Paddy Production				4.758.467			1,164,506			0			763,325		6,686,298
J. Net incremental value															
1. Increment	8														
(FW Case - FW/U Case)		ì		TAT ACT	177	1723	.296.528	1.721	0	o	1,645	31.5	51,818	279.1	480,037
(1) Dry Paddy		1,720	419.7	100,000				0303	c	0	Q	0	0	115.2	811,123
(2) Sugarcane	٠	7,041	115.2	811,123	∂6 <b>.</b>	> ;	,		, ,		2 008	25.0	50,200	203.3	1,276,796
(3) Other Field Crops		6,928	114.1	790,485	6,793	64.2	436,111	0/0	<b>o</b> 1	۰ د	000	2	000002	1697	507 703
(4) Vegetables		3,607	128.7	464,221	3,459	28.5	98,582	3,459	0	•	33.0	12.0	DOC*65	7.601	50,000
(f) Cant Trace		13.064	208.1	2,718,618	13,064	78.4	1,024,218	13,064	0	0	13,064	25.0	326,600	311.5	4,009,430
(3) Figure 1100s		13 400	54.0	734.346	13.599	16.5	224,384	13,599	0	0	13,599	6.5	88,394	77.0	1,047,124
(o) rish rond		2		!	906.9	0	Ċ	6,799	0	0	6,799	57.0	387,543	57.0	387,543
(7) Reservoir Fish		8	0	2 243 540		15.1	1 486 767		0	0		157.0	944,455	1,212.3	8,674,762
Total			1040.0	0,545,0	,	9 6	110 457	777	¢	c	855	31.5	26,933	503.7	586,491
2. Loss of Wet Season		1,185	377.3	447,101	1,185	Š	1144		•						
Paddy Production				1			1 374 310			c			225,716		8,088,271
3. Net Incremental Value				5,796,439			OLC, PIC, L								
1. Increment	100														
(FW Case - FW/O Case)	•	,		900000		133	308 171	2.112	c	0	2,027	31.5	63,851	279.1	588,881
(1) Dry Paddy		2,117	4.19.9	976'999	2,144			0.052	c	c	¢	0	0	115.2	939,110
(2) Sugarcane		8,152	115.2	939,110	200'8	- <u>;</u>	204	1 0			2324	25.0	58,100	203.3	1,467,738
(3) Other Field Crops		7,960	114.1	908,236	7,810	\$	201,402	0,0,0	, .	, c	90,4	12.0	49.200	169.2	738,121
(4) Vegetables		4,412	128.7	567,824		28.5	121,097	647,4	<b>&gt;</b>	> <	0004	2 4	000 322	3115	4 677 500
(5) Fruit Trees		15,000	208.1	3,121,500	15,000	78.4	1,176,000	15,000	0	<b>5</b>	oo's	5.63	303,030	100	1 214 368
(6) Fish Pond		15,771	54.0	851,634	15,771	16.5	260,222	15,771	0	0	15,771	0	716,201	0'1'	140 645
(2) Descensive Fish		7.885	0	0	7,885	0	0	7,885	0	0	7,885	57.0	449,445	0.75	C#+'6++
() Newtron ()			10400	727723		15.3	1,694,823	•	0	0	•	157.0	1,098,108	1,212.3	10,070,163
Total			S C C C C C C C C C C C C C C C C C C C	100 000	301 1	0.70	112 457	772	0	0	855	31.5	26,933	503.7	586,491
2. Loss of Wet Scason		1,185	377.3	447,101	1,160	Ì.	1141	!	•			٠			
Paddy Production				121 000 7			1.582,366			0			1,071,175		9,483,672
3. Net incremental value				- Transin							<u>.</u>				

Table 13-34 Net Incremental Value of Agricultural Products at Full Development in Economic Terms for Whole Benefit Area (Plan B-2)

			The section of the se	!	Scheme Scheme	0 0000	Cobana	and Name	CILL DO DIVINI	OH STORES					
	Achievement of		Į		and Existi	and Existing DELIY Pumping Scheme	oing Scheme	May Mak	and New Dear Fullipling Science	Total Net	Net Value	Incremental	Total Net	[neremental ]	Total Net
ltem.	Target Yields Net Value	Net Value	Cropped Area	Total Net Value	Net Value	Incremental Cropped Area	Value	anie v sinc	Cropped Area	Value		Cropped Area	Value	Cropped Area	Value
	(%)	(Baht/rail)	(1,000 rai)	(1,000 Baht)	(Baht/rai)	(1,000 rai)	(1,000 Baht) (Baht/rai)	(Baht/rai)	(1,000 rai)	(1,000 Banc)	(Banvial)		(4,000 0000)		
1. Increment	980								-						
(FW Case - FW/O Case)		1		50	9	1303	993 521	1,330	O	0	1,262	31.5	39,753	461.6	614,588
(1) Dry Paddy		1,335	5603	148,001	OCC'I	-130.4	00 P	070 9		0	0	0	.0	115.2	683,136
(2) Sugarcane		5,930	115.2	683,136	5,849	>	5	1010		, ,	1 601	250	42.275	203.3	1,085,878
(3) Other Field Crops		5,897	114.1	672,848	5,775	64.2	370,755	CI/C	5 f		1001	1	30,600	169.2	467,441
(A) Venetables		2,803	128.7	360,746	2,670	28.5	76,095	2,670	0	>	7,330	0.21	and the	3116	2 450 510
To the same of the		11 106	208.1	2,311,159	11,106	78.4	870,710	11,106	0	0	11,106	25.0	000///2	C.11c	CALIFORNIC
(5) Fruit Trees		2011		619 410	307 11	16.5	188.562	11.428	0	0	11,428	6.5	74,282	77.0	879,956
(6) Fish Pond		11,428	••	711,110	11,440			4714	c	0	5.714	57.0	325,698	57.0	325,698
(7) Reservoir Fish		5,714	6	0	5,114	> ¦	0	4	) C		, '	157.0	790,258	1,394.8	7,516,216
Total		ì	1,180.4	5,393,002	•	57.4	006,266,1	. ;	> <		920	31.5	26 97	503.7	586.491
2. Loss of Wet Season		1,185	377.3	447,101	1,185	94.9	112,457	42	5	<b>-</b>	6	27.5	2		
Paddy Production							007			c			763,325		6,929,725
3. Net Incremental Value				4,945,901			1,420,477			,					
1. Increment	8							÷		٠					
(FW Case - FW/O Case)			,	070 070	1 221	1302	-224.704	1.721	0	0	1,645	31.5	51,818	461.6	794,192
(1) Dry Paddy		1,720	200.5	010100	11.4		c	6.950	0	c	0	o	Ο,	115.2	811,123
(2) Sugarcane		1,041	2.51	C71'110			111 957	6 703	¢	Ф	2,008	25.0	50,200	203.3	1,276,796
(3) Other Field Crops		6,928	114.1	790,485	66.40	3 8	68 80	1 450		0	3,325	12.0	39,900	169.2	602,703
(4) Vegetables		3,607		464,221		6	20,004	2000		c	13.064	25.0	326,600	311.5	4,069,436
(5) Fruit Trees		13.06 24	•	2,718,618		0/	707 707	12 500		c	13.599	6.5	88,394	77.0	1,047,124
(6) Fish Pond		13,599	•1	734,340	e e	G . c		002.9		<b>-</b>	6.799	57.0	387,543	57.0	387,543
(7) Reservoir Fish		6,799	: 0	0	6,799	> ;	2 000	Ce l'h			•	157.0	944,455	1,394.8	8,988,917
Total		•	1,180.4	6,485,871		57.4	1,45,855,1	. [	•		350	31.5	26.933	503.7	586,491
2, Loss of Wet Season		1,185	377.3	447,101	1,185	6.96	112,457	7772	>	>	ç	3			
Paddy Production					•		777			c			917,522		8,402,426
3. Net Incremental Value				6,038,770			1,440,154								
1. Increment	100		•				:	-							
(FW Case - FW/O Case)				331 701 1	6116	1302	274.982	2.112	0	0	2,027	31.5	63,851	461.6	975,024
(1) Dry Paddy		2,117	•	CCT'GOT'T	4,114		!	8050		0	9	0	0	115.2	939,110
(2) Sugarcane		8,152		011,959	700'9	5	201 403	7.810	. =	~	2,324	25.0	58,100	203.3	1,467,738
(3) Other Field Crops		7,960		908,236	018'/	7 6	704,100	200			4.100	12.0	49,200	169.2	738,121
(4) Vegetables		4,412		267,824	4,249	9 9	/60/171		· c	· c	15.000	25.0	375,000	311.5	4,672,500
(5) Fruit Trees		15,000	••	3,121,500	15,000	4.8	1,1/0,000	20,01		, c	15.773	6.5	102.512	77.0	1,214,368
(6) Fish Pond		15,771		851,634	15,771		777,007	1000	> c	, c	7.885	57.0	449,445	57.0	449,445
(7) Reservoir Fish		7,885		0	7,885	<b>-</b>	5				} •	157.0	1.098,108	1,394.8	10,456,306
Total			1,180.4	7,574,459	•	57.4	1,785,739		•		***	31.5	26.933	503.7	586,491
2. Loss of Wet Season		1,185	377.3	447,101	1,185	94 6,5	112,457	711	>	5	3				•
Paddy Production							1.671.783			- -			1,071,175		9,869,815
1 411 4 4 4 4				7 177 758											

Table 13-35 Net Incremental Value of Agricultural Products at Full Development in Economic Terms for Whole Benefit Area (Plan B-3)

	Achierement	,	Chao Phraya Deita	5	and Existin	OFOP Pure	oct (Stage 1)	and New	and New DEDP Promping Scheme	Physician of Impation Project (Sugg 1) Finisability Impantor Froject (Sugg 2) and Existing DEOP Pumping Scheme and New DEOP Pumping Scheme		ASSOCIATE INTERTION FIGURES	eraci'or a	Ę.	Total
Item	Target Yields Net Value	Net Value	Incremental	Total Net	Net Value	Net Value Incremental Total Net	Total Net	Net Value	Net Value Incremental	Total Net	Net Value	Incremental	Total Net	Incremental Oronned Area	Total Net
	8	(Baht/rai)	Cropped Area (1,000 rai)	Value (1,000 Bahi) (Baht/rai)		Cropped Area (1,000 rai)	(1,000 Baht) (Baht/rat)		(1,000 rai)	(1,000 Baht)	(Baht/rai)	(1,000 rai)	(1,000 Baht)	(1,000 rai)	ರೆ
1. Increment	8										٠	•			
(FW Case - FW/O Case)		. !				5				c	036.1	31.5	20 753	8 269	830 037
(1) Dry Paddy		1,335	685.0	914,475	1,330	-97.7	143,621	000,1	o (	<b>.</b>	7071	3	27.60		100,000
(2) Sugarcane		5,930	115.2	683,136	5,849	0	0	5,849	0	-	0	<b>\$</b>	<b>•</b>	115.2	683,136
(3) Other Field Crops		5,897	114.1	672,848	5,775	64.2	370,755	5,775	0	0	1,691	25.0	42,275	203.3	1,085,878
(4) Veortables		2.803	128.7	360,746	2,670	28.5	76,095	2,670	0	0	2,550	12.0	30,600	169.2	467,441
(5) Emil Trees		11.106	208.1	2311.159	11.106	78.4	870,710	11,106	0	0	11,106	25.0	277,650	311.5	3,459,519
(c) First Bd		1 13	0.83	617.112	11.428	16.5	188 562	11.428	С	0	11.428	6.5	74,282	77.0	879,956
(b) Fish Pond		21,426	0.4.0	411,110	07,17	3	400 c	27.7	> c	, ,	417.5	0.73	305 505	0.63	325,698
(7) Reservoir Fish		5,714	0	•	5,714	>	<b>5</b>	), I.t.	>	<b>-</b>	11/5	24.0	000000	2 1	20000
Total		•	1,305.1	5,559,476	!	6.46	1,382,831		0	0	•	157.0	790,258	1,557.0	7,752,565
2. Loss of Wet Season		1,185	377.3	447,101	1,185	6. 8.	112,457	22.	0	0	822	31.5	26,933	503.7	586,491
Packdy Production										•					
3. Net Incremental Value				5,112,375			1,270,374			0			763,325		7,146,074
1. Increment	8														
(FW Case - FW/O Case)	٠. '		4				£15,031		c		3 646	4	\$1.818	87.69	1 074 503
(1) Dry Pacdy		1,726	685.0	1,182,310	1,721	-97.1	155,651-	1,721	Þ		5,	. ,	Of Care	9	1000
(2) Sugarcane		7,041	115.2	811,123	6,950	0	0	6,950	0	0	0	¢	9	115.2	811,123
(3) Other Field Crops		6,928	114.1	790,485	6,793	64.2	436,111	6,793	0	0	2,008	25.0	50,200	203.3	1,276,796
(4) Vegetables		3,607	128.7	464,221	3,459	28.5	98,582	3,459	0	0	3,325	12.0	39,900	169.2	602,703
(5) Fruit Trees		13,064	208.1	2,718,618	13,064	78.4	1,024,218	13,064	0	0	13,064	25.0	326,600	311.5	4,069,436
(6) Fish Pond		13,599	54.0	734,346	13,599	16.5	224,384	13,599	0	0	13,599	6.5	88,394	77.0	1,047,124
(7) Reservoir Fish		6,799	0	0	6,799	0	0	6,799	0	0	6,799	57.0	387,543	57.0	387,543
Total			1,305.1	6,701,103	,	94.9	1,623,758		0	•	,	157.0	944,455	1,557.0	9,269,316
2 Loss of Wet Season		1.185	377.3	447,101	1.185	6,46	112,457	71.5	0	0	855	31.5	26,933	503.7	586,491
Paddy Production			}			<u>!</u>		! ,							
3. Net Incremental Value			-	6,254,002			1,511,301			٥			917,522		8,682,825
1. Increment (FW Case - FW/O Case)	100														
(1) Dry Paddy		2,117	685.0	1,450,145	2,112	-92.7	-195,782	2,112	0	0	2,027	31.5	63,851	623.8	1,318,214
(2) Sugarcane		8,152	115.2	939,110	8,052	0	0	8,052	0	0	0	0	0	115.2	939,110
(3) Other Field Crops		7,960	114.1	908,236	7,810	64.2	501,402	7,810	0	0	2,324	25.0	58,100	203.3	1 467 738
(4) Vegetables		4,412	128.7	567,824	4,249	28.5	121,097	4,249	0	0	4,100	12.0	49,200	169.2	738,121
(5) Fuit Tres		15,000	208.1	3,121,500	15,000	78.4	1,176,000	15,000	0	0	15,000	25.0	375,000	311.5	4,672,500
(6) Fish Pond		15,771	24.0	851,634	15,771	16.5	260,222	15,771	0	0	15,771	6.5	102,512	77.0	1,214,368
(7) Reservoir Fish		7,885	0	0	7,885	0	0	7,885	0	0	7,885	57.0	449,445	57.0	449,445
Total			1,305.1	7,838,449		94.9	1,862,939	•	0	0	•	157.0	1,098,108	1557.0	10,799,496
2. Loss of Wet Season		1,185	377.3	447,101	1,185	94.9	112,457	772	0	• .	855	31.5	26,933	503.7	586,491
Paddy Production					:		100						1.071.175		20 212 005
<ol><li>Net Incremental Value</li></ol>				1,391,348			1,670,462			2			2,264 .264		Administra

Table 13-36 Net Loss Value of Wet Season Paddy Production (Future Without Project Case)

	; <u>\$</u>	Chao Phr. Irrigatio	Phraya Delta, Phitsanulok gation Project (Stage 1) &	hitsanulok age 1) &	Phitsanu (Stage 2) &	Phitsanulok Irrigation Project (Stage 2) & New DEDP Pumping Scheme	n Project P Pumping	Associat	Associate Irrigation Projects	Projects
пеш	·	Amount	Financial Value	Economic Value	Amount	Financial Value	Economic Value	Amount	Financial Value	Economic Value
Value of Output	kg/rai	584			431			481		
(2) Unit Price (3) Production Value		4.2	2,453	2,686	4.2	1,810 1,810	1,983	4.1	1,972	2,165 2,165
Input Costs							Č	Ţ	100	103
(1) Seeds	Baht/rai		132	124	13kg 24kg	79 ?C1	91 157	15kg 27kg	139	181
(2) Fertilizer	Baht/rai	32kg	109 81	507 11	ST CALL	99	53	D I	<i>L</i> 9	
(3) Agro-chemicals	Bant/rai		561	533		414	(*)		462	
(4) Land Fieparation Dangtar (5) Labour Baht/rai	Baht/rai	8.0md	918	505	7.5md	861		7.6md	872	4
(5) Labour (6) Others	Raht/rai		64	59		47	43		53	•
(6) Outers Total	Baht/rai	<u>.</u>	1,925	1,501		1,604	1,211		1,702	
Net Value	Baht/rai		528	1,185	-	206	772		270	855
Iver value	- n = /									

Note: \* indicates dependence on mechanization, including fuel cost. Source: Farm household survey.

Table 13-37 Net Economic Benefit of Hydropower Generation under Plans A and B

## 1) Additional Power Generation

Newly Available Water (MCM)	Water Required for Electric Generation of 1 kWh (m³/kWh)	Power Generation Losses (%) ③	Additional Power Generation (GWh) (4=1)/(2)x(1-3)	Opportunity Cost of Power Generation (Baht/kWh) ⑤	Annual Net Economic Benefit (Million Baht) ⑥=④x⑤
2,000	5.8	15	293.1	1.12	328.3

## 2) Reduction of Carbon Dioxide Emissions

Additional Power Generation (GWh)	Value of CO <sub>2</sub> Emissions per MWh (t/MWh)	Annual Emission of CO <sub>2</sub> (1,000 t) ③=①x②	Cost of CO <sub>2</sub> Abatement Measures (US\$/t) ④	Conversion Factor of Capital Goods  (5)	Annual Net Economic Benefit (Million Baht) (6)=(3)x(4)x(5)
293.1	0.43	126.0	20 (=Baht 729)	0.84	77.2

## 3) Total

Additional	Reduction of	Annual Net
Power	Carbon Dioxide	Economic
Generation	Emissions	Benefit
(Million Baht)	(Million Baht)	(Million Baht)
` (1)	<b>②</b>	3=1+2
328.3	77.2	405.5
•		

Table 13-38 Net Economic Benefit of Water Supply for Domestic, Industrial and Livestock Uses under Plans A and B

Pian	Year	Newly Available Water (MCM) ①	Water Supply Losses (%) ②	Additional Water Supply (MCM) ③=①x(1-②)	Opportunity Cost of Water Supply (Baht/m³) ④	Annual Net Economic Benefit (Million Baht) ⑤=③x④
A-1 & B-1	~2015	276	30	193.2	4.79	925.4
	2016~	1,103	30 .	772.1	4.79	3,698.4
A-2 & B-2	~2015	206	30	144.2	4.79	690.7
	2016~	825	30	577.5	4.79	2,766.2
A-3 & B-3	~2015	145	30	101.5	4.79	486.2
	2016~	578	30	404.6	4.79	1,938.0

Table 13-39 Flow of Project Benefit in Economic Terms (Plan A-1)

	<del></del>							it: 1,000 Baht
V	Chan Phases Dalta	Distribution (Cress 1)	Agriculture	Associate		Water Supply	Power Generation	Total
1 cat	Chao Phraya Delia	& Existing DEDP	Phitsanulok (Stage 2) & New DEDP	Irrigation	Sub-total	water Suppry	rowel deneration	10(2)
2002	0	0	0	0	0	0	0	0
2003	Ö	Õ	0	0	0	0	0	0
2004	Ö	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	Ô	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0
2008	0	Ò	0	0	0	0	0	0
2009	0	0	0	763,325	763,325	0	0	763,325
2010	0	0	0	917,522	917,522	0	0	917,522
2011	0	0	.0	1,071,175	1,071,175	0	0	1,071,175
2012	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2013	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2014	4,292,952	0	0	1,071,175	5,364,127	925,400	405,500	6,695,027
2015	5,194,583	1,164,506	1,295,644	1,071,175	8,725,908	925,400	405,500	10,056,808
2016	6,091,933	1,374,310	1,575,543	1,071,175	10,112,961	3,698,400	405,500	14,216,861
2017	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2018	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2019	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2020	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2021	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2022	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2023	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2024	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2025		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2026	6,091,933	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2027		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2028		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2029		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2030		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2031		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2032		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2033		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2034		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2035		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2036		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2037		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400 3,698,400	405,500 405,500	14,703,713 14,703,713
2038		1,582,366	1,854,339	1,071,175 1,071,175	10,599,813 10,599,813	3,698,400	405,500	14,703,713
2039	, ,	1,582,366 1,582,366	1,854,339 1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2040		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2041 2042		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2042		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2043		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2045		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2046		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2047	, ,	1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2048		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2049		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2050		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2051		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2052		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2053		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2054		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
205		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2050		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
205		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2058		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2059		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
2060		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713
206		1,582,366	1,854,339	1,071,175	10,599,813	3,698,400	405,500	14,703,713

Table 13-40 Flow of Project Benefit in Economic Terms (Plan A-2)

Year	Charles Dales							
	Chao Phraya Della	Phitsanulok (Stage1) : & Existing DEDP	Phitsanulok (Stage 2) & New DEDP	Associate Irrigation	Sub-total	Water Supply I	Power Generation	Total
2002	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	. 0	0
2009	0	0	. 0	763,325	763,325	0	0	763,325
2010	0	0	0	917,522	917,522	0	0	917,522
2011	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2012	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2013	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2014	4,437,399	0.	0	1,071,175	5,508,574	690,700	405,500	6,604,774
2015	5,381,336	1,220,499	1,295,644	1,071,175	8,968,654	690,700	405,500	10,064,854
2016	6,320,993	1,446,764	1,575,543	1,071,175	10,414,475	2,766,200	405,500	13,586,175
2017	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2018	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2019	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2020	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2021	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500 405,500	14,089,489
2022	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	•	14,089,489
2023	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2024	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200 2,766,200	405,500 405,500	14,089,489
2025 2026	6,320,993 6,320,993	1,671,282 1,671,282	1,854,339 1,854,339	1,071,175 1,071,175	10,917,789 10,917,789	2,766,200	405,500	14,089,489 14,089,489
2020	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2028	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2029	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2030	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2031	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2032	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2033	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2034	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2035	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2036	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2037	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2038	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2039	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2040	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2041	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2042	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2043	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2044	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2045	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2046	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2047	6,320,993	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2048		1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2049		1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500 405,500	14,089,489
2050		1,671,282	1,854,339 1,854,339	1,071,175	10,917,789	2,766,200	405,500 405,500	14,089,489
2051 2052		1,671,282 1,671,282	1,854,339	1,071,175 1,071,175	10,917,789 10,917,789	2,766,200 2,766,200	405,500 405,500	14,089,489
2052		1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2054		1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2055		1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2056	* *,	1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2057		1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2058		1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2059		1,671,282	1,854,339	1,071,175	10,917,789	2,766,200	405,500	14,089,489
2060		1,671,282	1,854,339	1,071,175	10,917,789		405,500	14,089,489
2061		1,671,282	1,854,339	1,071,175	10,917,789		405,500	14,089,489

Table 13-41 Flow of Project Benefit in Economic Terms (Plan A-3)

			Agriculture					
Year	Chao Phraya Delta	Phitsanulok (Stage1) & Existing DEDP		Associate Irrigation	Sub-total	Water Supply	Power Generation	Total
****								
2002	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	0 -	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0
2008	0	. 0	0	0	0	0	0	0
2009	0	0	0	763,325	763,325	0	0	763,325
2010	0	0	0	917,522	917,522	0	. 0	917,522
2011	0	0 '	0	1,071,175	1,071,175	0	. 0	1,071,175
2012	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2013	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2014	4,565,559	0	0	1,071,175	5,636,734	486,200	405,500	6,528,434
2015	5,547,022	1,270,374	1,295,644	1,071,175	9,184,215	486,200	405,500	10,075,915
2016	6,524,225	1,511,301	1,575,543	1,071,175	10,682,244	1,938,000	405,500	13,025,744
2017	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2018		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2019	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2020	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2021	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2022		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2023	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2024	6,52 <b>4,22</b> 5	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2025	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2026	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2027		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2028		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2029		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2030		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2031	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2032	5 .	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2033		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2034		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2035		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2036		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2037		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2038	, ,	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2039		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2040		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2041		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2042		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2043		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2044		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2045		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2046		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2047		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2048		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2049		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2050		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2051	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2052		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2053	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2054		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2055	6,524,225	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2056		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2057		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2058	The state of the s	1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2059		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2060		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721
2061		1,750,482	1,854,339	1,071,175	11,200,221	1,938,000	405,500	13,543,721

Table 13-42 Flow of Project Benefit in Economic Terms (Plan B-1)

			Agriculture			W	P	m
Year	Chao Phraya Delta	Phitsanulok (Stage1) I & Existing DEDP	Phitsanulok (Stage 2) & New DEDP	Associate Irrigation	Sub-total	Water Supply	Power Generation	Total
2002	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	. 0	0
2006	0	0	0	0	0	0	. 0	0
2007	0	0	0	0	0	0	0	0
2008	0 .	0	0	0	0	0	0	0
2009	0	. 0	0	763,325	763,325	0	0	763,325
2010	0	0	0	917,522	917,522	0	0	917,522
2011	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2012	0	0	0	1,071,175	1,071,175	0 0	0 0	1,071,175
2013	0	0	0	1,071,175	1,071,175			1,071,175
2014	4,758,467	0	0	1,071,175	5,829,642	925,400	405,500	7,160,542
2015	5,796,439	1,164,506	0	1,071,175	8,032,120	925,400	405,500	9,363,020
2016	6,830,131	1,374,310	0	1,071,175	9,275,616	3,698,400 3,698,400	405,500 405,500	13,379,516
2017	6,830,131	1,582,366	0	1,071,175	9,483,672		405,500	13,587,572
2018	6,830,131	1,582,366	0 <b>0</b>	1,071,175	9,483,672 9,483,672	3,698,400 3,698,400	405,500	13,587,572 13,587,572
2019 2020	6,830,131 6,830,131	1,582,366 1,582,366	0	1,071,175 1,071,175	9,483,672	3,698,400	405,500	13,587,572
2020	6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2021	6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2022	6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2023	6,830,131	1,582,366	ŏ	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2025	6,830,131	1,582,366	ŏ	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2026	6,830,131	1,582,366	Õ	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2027		1,582,366	. 0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2028		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2029		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2030		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2031		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2032	6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2033	6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2034	6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2035		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2036		1,582,366	. 0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2037		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2038	•	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2039		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2040		1,582,366	0	1,071,175	9,483,672 9,483,672	3,698,400	405,500 405,500	13,587,572
2041		1,582,366	. 0	1,071,175 1,071,175		3,698,400 3,698,400	405,500	13,587,572 13,587,572
2042 2043		1,582,366 1,582,366	0	1,071,175	9,483,672 9,483,672	3,698,400	405,500	13,587,572
2043		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2045		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2046		1,582,366	ŏ	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2047		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2048		1,582,366	Ö	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2049		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2050		1,582,366	. 0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2051		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2052		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2053		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
2054		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
205		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
205		1,582,366	. 0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
205		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
205		1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
205	9 6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
206	0 6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572
206	1 6,830,131	1,582,366	0	1,071,175	9,483,672	3,698,400	405,500	13,587,572

Table 13-43 Flow of Project Benefit in Economic Terms (Plan B-2)

							(Un	it: 1,000 Baht)
			Agriculture		A			
Year	Chao Phraya Delta	Phitsanulok (Stage1) & Existing DEDP	Phitsanulok (Stage 2) & New DEDP	Associate Irrigation	Sub-total	Water Supply	Power Generation	Total
2002	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0
2009	0	0	. 0	763,325	763,325	0	0	763,325
2010	0	0	0	917,522	917,522	0	0	917,522
2011	. 0	0	0	1,071,175	1,071,175	0	0	1,071,175
2012	0	0	0	1,071,175	1,071,175	0	0	1,071,175
2013	0	0	. 0	1,071,175	1,071,175	0	0	1,071,175
2014		0	0	1,071,175	6,017,076	690,700	405,500	7,113,276
2015		1,220,499	0	1,071,175	8,330,444	690,700	405,500	9,426,644
2016		1,446,134	0	1,071,175	9,644,667	2,766,200	405,500	12,816,367
2017		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2018		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2019		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2020		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2021		1,671,282	0 0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2022		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2023		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2024		1,671,282	0 0	1,071,175	9,869,815 9,869,815	2,766,200	405,500 405,500	13,041,515
2025 2026		1,671,282	0	1,071,175	9,869,815	2,766,200 2,766,200	405,500	13,041,515 13,041,515
2020		1,671,282 1,671,282	0	1,071,175 1,071,175	9,869,815	2,766,200	405,500	13,041,515
2028		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2029		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2030		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2031		1,671,282	ő	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2032		1,671,282	Ŏ	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2033		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2034	, ,	1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2035		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2036	7,127,358	1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2037	7,127,358	1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2038	7,127,358	1,671,282	0 .	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2039		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2040		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2041		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2042		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2043	14	1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
204		1,671,282	0	1,071,175	9,869,815 9,869,815	2,766,200	405,500	13,041,515
2045		1,671,282	0	1,071,175	9,869,815	2,766,200 2,766,200	405,500 405,500	13,041,515 13,041,515
204		1,671,282 1,671,282	0	1,071,175 1,071,175	9,869,815	2,766,200	405,500	13,041,515
204 204		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
2049		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	. 0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	Ŏ	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	ŏ .	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	ŏ	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	ŏ	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	Ŏ	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	o o o	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
205		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
206		1,671,282	0	1,071,175	9,869,815	2,766,200	405,500	13,041,515
206		1,671,282	0 .	1,071,175	9,869,815	2,766,200	405,500	13,041,515
		<del>, , , , , , , , , , , , , , , , , , , </del>						

Table 13-44 Flow of Project Benefit in Economic Terms (Plan B-3)

			griculture			441	_	
Year	Chao Phraya Delta	Phitsanulok (Stage1) I & Existing DEDP	hitsanulok (Stage 2) & New DEDP	Associate Irrigation	Sub-total	Water Supply	Power Generation	Total
2002	0	0	0	0	0	0	0	0
2003	0	0	0	0	. 0	0	0	0
2004	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	. 0	0
2007	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0
2009	0	0	. 0	763,325	763,325	0	0	763,325
2010	0	0	0 .	917,522	917,522	0	0	917,522
2011	0	0	0	1,071,175	1,071,175	0	0 .	1,071,175
2012	0	0	0	1,071,175	1,071,175	0	0 .	1,071,175
2013	. 0	0	0	1,071,175	1,071,175	0	0	1,071,175
2014	5,112,375	0 .	. 0	1,071,175	6,183,550	486,200	405,500	7,075,250
2015	6,254,002	1,270,374	0	1,071,175	8,595,551	486,200	405,500	9,487,251
2016	7,391,348	1,511,301	0	1,071,175	9,973,824	1,938,000	405,500	12,317,324
2017	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2018	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2019	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2020	7,391,348	1,750,482	.0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2021	7,391,348	1,750,482	. 0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2022	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2023	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2024	7,391,348	1,750,482	0 '	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2025	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2026	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000		12,556,505
2027 2028	7,391,348	1,750,482 1,750,482	0	1,071,175	10,213,005	1,938,000 1,938,000	405,500	12,556,505
2029	7,391,348		0 .	1,071,175	10,213,005		405,500 405,500	12,556,505
2030	7,391,348	1,750,482 1,750,482	0	1,071,175 1,071,175	10,213,005 10,213,005	1,938,000 1,938,000	405,500 405,500	12,556,505 12,556,505
2030	7,391,348 7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2032		1,750,482	Ö	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2033		1,750,482	Ö	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2034		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2035		1,750,482	Ŏ	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2036		1,750,482	Ō	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2037		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2038		1,750,482	. 0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2039		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2040	7,391,348	1,750,482	0 -	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2041	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2042	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2043	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2044	7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2045	7,391,348	1,750,482	, <b>0</b>	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2046		1,750,482	. 0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2047		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2048		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2049		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2050		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2051		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2052		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2053		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2054		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2055		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2056		1,750,482	0	1,071,175	10,213,005		405,500	12,556,505
2057		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2058		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
2059		1,750,482	0	1,071,175	10,213,005		405,500	12,556,505
2060		1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505
206	1 7,391,348	1,750,482	0	1,071,175	10,213,005	1,938,000	405,500	12,556,505

Table 13-45 Flow of Project Cost in Economic Terms (Plan A)

Year		Kok-Ing-Nan Pro	oject			Phitsanulok (Stage 1) & Existing DEDP		anulok (Sta New DED		Associat	c Irrigation		: 1,000 Baht) Total
•	Capital Cost	Environmental Impact Mitigation Cost	O & M Cost	Replacement Cost	Sub-total	Capital Cost	Capital Cost	O & M Cost	Sub-total	Capital Cost	O & M Cost	Sub-total	
2002	93,840	0	0	0	93,840	0	0	0	0	0	0	0	93,840
2003	431,480	0	0	0	431,480	0	0	0	0	254,800	0	254,800	686,280
2004	1,232,280	0	0	0	1,232,280	0	0	0	0	254,800	0	254,800	1,487,080
2005	2,849,460	0	0	0	2,849,460	85,000	0	0	0	746,200	0	746,200	3,680,660
2006	3,953,320	. 0	0	0	3,953,320	85,000	0	0	0	746,200	0	746,200	4,784,520
2007	4,888,920	89,000	0	0	4,888,920	85,000	0	0	0	746,200	0	746,200	5,720,120
2008 2009	4,728,490 4,384,550	89,000	0	0	4,728,490	85,000 85,000	0 718,900	0	0 718,900	721,630 0	0 52,624	721,630 52,624	5,535,120
2010		89,000 89,000	0	0	4,384,550 5,019,810	85,000	718,900	0	718,900	0	52,624	52,624 52,624	5,241,074 5,876,334
2011	5,019,810	89,000	0	ŏ	5,019,810	85,000	2,184,000	ő	2,184,000	0	52,624	52,624	7,341,434
2012		89,000	ő	ő	4,259,790	85,000	2,184,000	ŏ	2,184,000	ŏ	52,624	52,624	6,581,414
2013		89,000	Õ	. 0	2,091,600	85,000	2,184,000	ŏ	2,184,000	ŏ	52,624	52,624	4,413,224
2014		89,000	117,760	Ō	117,760	37,400	1,674,400	0	1,674,400	0	52,624	52,624	1,882,184
2015		Ô	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2016	0	0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2017		0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2018		0	117,760	8,904	126,664	0	0	144,900	144,900	0	52,624	52,624	324,188
2019		0	117,760	0	117,760	0	0 ·	144,900	144,900	0	52,624	52,624	315,284
2020		6	117,760	0	117,760	. 0	0	144,900	144,900	0	52,624	52,624	315,284
2021		0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2022		0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2023 2024		0 0	117,760 117,760	26,208 0	143,968 117,760	0	0	144,900 144,900	144,900 144,900	0	52,624	52,624 52,624	341,492
2025		0	117,760	Ö	117,760	0	Ó	144,900	144,900	Ô	52,624 52,624	52,624 52,624	315,284 315,284
2026		ŏ	117,760	Ö	117,760	Ö	ŏ	144,900	144,900	ŏ	52,624	52,624	315,284
2027		ő	117,760	ŏ	117,760	ŏ	ŏ	144,900	144,900	ŏ	52,624	52,624	315,284
2028		Ŏ	117,760		126,664	0	ō	144,900	144,900	Õ	52,624	52,624	324,188
2029	0	Ö	117,760	0	117,760	Ò	Ö	144,900	144,900	Ó	52,624	52,624	315,284
2030	0	. 0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2031	. 0	0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2032		. 0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2033		0	117,760	26,208	143,968	0	0	144,900	144,900	0	52,624	52,624	341,492
2034		0	117,760	0	117,760	. 0	0	144,900	144,900	. 0	52,624	52,624	315,284
2035		0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
2036 2031		0	117,760	0	117,760	0	0 -	144,900 144,900	144,900 144,900	0	52,624 52,624	52,624 52,624	315,284 315,284
203		0	117,760 117,760		117,760 309,448	0	0	144,900	144,900	0	52,624	52,624 52,624	506,972
2039		. 0	117,760		117,760	Ŏ	ŏ	144,900	144,900	ŏ	52,624	52,624	315,284
204		ő	117,760		117,760	ŏ	ō	144,900	144,900	. 0	52,624	52,624	315,284
204		· ŏ	117,760		117,760	Ŏ	Ö	144,900	144,900	Ō	52,624	52,624	315,284
204		ō	117,760		117,760	Ö	Õ	144,900	144,900	Ö	52,624	52,624	315,284
2043		0	117,760	26,208	143,968	0	0	144,900	144,900	0	52,624	52,624	341,492
204		. 0	117,760		117,760	0	0	144,900	144,900	6	52,624	52,624	315,284
204		0	117,760		117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
204		. 0	117,760		117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
204		0	117,760		117,760	0	0	144,900	144,900	. 0	52,624	52,624	315,284
204 204		· 0	117,760		126,664 117,760	0 0	0	144,900 144,900	144,900 144,900	0.	52,624 52,624	52,624 52,624	324,188 315,284
204		0	117,760 117,760		117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
205		0	117,760		117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
205		. 0	117,760		117,760	Ö	0	144,900	144,900	ő	52,624	52,624	315,284
205		. ŏ	117,760		143,968	ŏ	ŏ	144,900	144,900	ŏ	52,624	52,624	341,492
205		Ö	117,760		117,760	ŏ	ō ·	144,900		ō	52,624	52,624	315,284
205	5 0	0	117,760		117,760	0 .	0	144,900	144,900	. 0	52,624	52,624	315,284
205		0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
205		• . 0	117,760		117,760	0	0 ;	144,900	144,900	0	52,624	52,624	315,284
205		. 0	117,760		126,664	0	0	144,900	144,900	0	52,624	52,624	324,188
. 205		0	117,760		117,760	0	. 0	144,900	144,900	0	52,624	52,624	315,284
206		. 0	117,760		117,760	0	0	144,900	144,900	0	52,624	52,624	315,284
206	1 0	0	117,760	0	117,760	0	0	144,900	144,900	0	52,624	52,624	315,284

Table 13-46 Flow of Project Cost in Economic Terms (Plan B)

Year	Kok-Ing-Nan Project			Phitsanulok (Stage 1) & Existing DEDP	Phitsanulok (Stage2) & New DEDP		Associate Irrigation Pro		Projects	Total			
rear .	Capital Cost	Environmental Impact Mitigation Cost	O & M Cost	Replacement Cost	Sub-total	Capital Cost	Capital Cost	O & M Cost	Sub-total	Capital Cost	O & M Cost	Sub-total	
2002	93,840	0	0	0	93,840	0	0	0	0	0	0	0	93,840
2002	431,480	Õ	ŏ	ŏ	431,480	ō	0	0	0	254,800	0	254,800	686,280
2004	1,232,280	ŏ	ŏ	ō	1,232,280	0	0	0	0	254,800	0	254,800	1,487,080
2005	2,849,460	ŏ	ō	ŏ	2,849,460	85,000	0	0	0	746,200	0	746,200	3,680,660
2006	3,953,320	ŏ	ŏ	ŏ	3,953,320	85,000	Ó	0	0	745,200	0	746,200	4,784,520
2007	4,888,920	89,000	ŏ	ŏ	4,888,920	85,000	ō	0	0	746,200	0	746,200	5,720,120
2008	4,728,490	89,000	ŏ	ŏ	4,728,490	85,000	Ô	Ó	0	721,630	0	721,630	5,535,120
2009	4,384,550	89,000	ő	ŏ	4,384,550	85,000	Ö	0	0	0	52,624	52,624	4,522,174
2010	5,019,810	89,000	Ö	ŏ	5,019,810	85,000	ŏ	ò	Ô	0	52,624	52,624	5,157,434
2011	5,019,810	89,000	ŏ	ŏ	5,019,810	85,000	Ō	Ù	0	0	52,624	52,624	5,157,434
2011 2012	4,259,790	89,000	ő	ŏ	4,259,790	85,000	Ŏ	ō	ó	o	52,624	52,624	4,397,414
2012		89,000	ŏ	ő	2,091,600	85,000	ō	ō	ō	o	52,624	52,624	2,229,224
	2,091,600	89,000	117,760		117,760	37,400	ŏ	ŏ	Ō	0	52,624	52,624	207,784
2014	0		117,760		117,760	0	ő	Ö	ŏ	ŏ	52,624	52,624	170,384
2015	0	0			117,760	ő	ŏ	ő	ŏ	ŏ	52,624	52,624	170,384
2016	0	0 .	117,760		117,760	Ö	0	ů.	Ŏ	ŏ	52,624	52,624	170,384
2017	0	0	117,760			0	Ö	Ŏ	Õ	ō	52,624	52,624	179,288
2018	0	0	117,760		126,664	0	0	0	. 0	0.	52,624	52,624	170,384
2019	0	. 0	117,760		117,760		0	0	. 0	0	52,624	52,624	170,384
2020	0	0	117,760		117,760	0		_	•	Ö	52,624	52,624	170,384
2021	0	0	117,760		117,760	0	0	0	0	o .		52,624	170,384
2022	0	. 0	117,760		117,760	0	0	0	0	_	52,624	52,624	196,592
2023	0	0	117,760		143,968	0	0	0	0	0	52,624		
2024	0	0	117,76		117,760	0	0	0	0	0	52,624	52,624	170,384
2025	0	0	117,76		117,760	0	0	0	0	0	52,624	52,624	170,384
2026	0	0	117,76		117,760	0	0 .	0	0	0	52,624	52,624	170,384
2027	0	. 0	117,76		117,760	0	0	0	0	0	52,624	52,624	170,384
2028	0	. 0	117,76		126,664	0	0 .	0	0	0	52,624	52,624	179,288
2029	0	. 0	117,76	0 0	117,760	0	0	0	0	0	52,624	52,624	170,384
2030	0	0	117,76	0 . 0	117,760	0	Ū	. 0	0	0	52,624	52,624	170,384
2031	0	. 0	117,76	0 0	117,760	0	0	0	0	0	52,624	52,624	170,384
2032	0	. 0	117,76	0 0	117,760	0	0	0	0	. 0	52,624	52,624	170,384
2033	0	. 0	117,76	0 26,208	143,968	0	. 0	. 0	0	0	52,624	52,624	196,592
2034	0	0	117,76		117,760	0	0	0	0	0	52,624	52,624	170,384
2035	. 0	0	117,76		117,760	0	0	0	0	0,	52,624	52,624	170,38
2036	. 0	Ô	117,76		117,760	0	e	0	0	0	52,624	52,624	170,384
2037	0	0	117,76		117,760	0	0	0	0 .	0	52,624	52,624	170,38
2038	0	Ô	117,76		309,448	0	0	0	. 0	0	52,624	52,624	362,072
2039	ŏ	Ô	117,76		117,760	0	0	. 0	0	0	52,624	52,624	170,38
2040	Ō	Ö	117,76		117,760	. 0	0	0	0	. 0	52,624	52,624	170,38
2041	ō	. 0	117,76		117,760	0	0	0	. 0	0	52,624	52,624	170,38
2042	0	Ô	117,76		117,760	. 0	0	0	0	0	52,624	52,624	170,38
2043	Ö	0	117,76		143.968	0	. 0	. 0	0	0	52,624	52,624	196,59
2044	õ	. 0	117,76		117,760	. 0	0	0	0	0	52,624	52,624	170,38
2045	ŏ	ŏ	117,76		117,760		0	. 0	0	0	52,624	52,624	170,38
2046	ŏ	. 0	117,76		117,760		0	0	0	. 0	52,624	52,624	170,38
2047	ŏ	Õ	117.70		117,760		0	. 0	. 0	. 0	52,624	52,624	170,38
2048	-	ŏ	117,70		126,664		0	0	0	0	52,624	52,624	179,28
2049		. ŏ	117,76		117,760		0	0	0	. 0	52,624	52,624	170,38
2050		ō	117,76		117,760		0	0	0	0	52,624	52,624	170,38
2051		ő	117,7		117,760		ō	. 0	0	0	52,624		170,38
2051		. 0	117,7		117,760		ŏ	. 0	0	. 0	52,624		170,38
2052		. 0	117,7		143,968		. 0	ŏ	ů.	. 0	52,624		196,59
		0	117,7		117,760		Ď.	ŏ	Ŏ	. ŏ	52,624		170,38
2054		0	117,7		117,760		0	0	0	ŏ	52,624		170,3
2055					117,760		0.	. 0	0	. 0	52,624		170.3
2056		0	117,7		117,760		0	ŏ	0 -	ŏ	52,624		170,3
2057			117,7				0	. 0	0	0	52,624		179,2
2058		0	117,7		126,664					. 0	52,624		170,3
2059		0	117,7		117,760		0	. 0	0 -	0			170,3
2060	0	0	117,7	60 0	117,760	0	0	0	0		52,624	72,024	1111

Table 13-47 Flow of Net Project Benefit in Economic Terms (Plan A-1)

(Unit: 1,000 Baht) Net Benefit Benefit Year Cost 93,840 0 -93,840 2002 0 -686,280 2003 686,280 2004 1,487,080 0 -1,487,080 0 -3,680,660 2005 3,680,660 0 -4,784,520 2006 4,784,520 2007 5,720,120 0 -5,720,120 -5,535,120 2008 5,535,120 0 763,325 -4,477,749 2009 5,241,074 917,522 -4,958,812 2010 5,876,334 2011 7,341,434 1,071,175 -6,270,259 -5,510,239 2012 6,581,414 1,071,175 2013 1,071,175 -3,342,049 4,413,224 2014 6,695,027 4,812,843 1,882,184 10,056,808 9,741,524 2015 315,284 13,901,577 14,216,861 2016 315,284 315,284 14,703,713 14,388,429 2017 14,379,525 14,703,713 2018 324,188 315,284 14,703,713 14,388,429 2019 315,284 14,703,713 14,388,429 2020 14,388,429 315,284 14,703,713 2021 315,284 14,703,713 14,388,429 2022 341,492 14,362,221 2023 14,703,713 14,388,429 14,703,713 2024 315,284 14,703,713 14,388,429 2025 315,284 14,388,429 2026 315,284 14,703,713 14,388,429 14,703,713 2027 315,284 14,703,713 14,379,525 324,188 2028 14,703,713 14,388,429 2029 315,284 315,284 14,703,713 14,388,429 2030 315,284 14,703,713 14,388,429 2031 14,388,429 14,703,713 2032 315,284 14,362,221 341,492 14,703,713 2033 315,284 14,703,713 14,388,429 2034 14,703,713 14,388,429 315,284 2035 2036 315,284 14,703,713 14,388,429 14,388,429 2037 315,284 14,703,713 14,703,713 14,196,741 506,972 2038 14,703,713 14,388,429 2039 315,284 14,388,429 2040 315,284 14,703,713 14,703,713 14,388,429 315,284 2041 14,703,713 14,388,429 2042 315,284 14,362,221 14,703,713 2043 341,492 14,703,713 14.388,429 2044 315,284 315,284 14,703,713 14,388,429 2045 14,388,429 14,703,713 2046 315,284 14,388,429 315,284 2047 14,703,713 14,703,713 14,379,525 2048 324,188 14,388,429 14,703,713 2049 315,284 315,284 14,703,713 14,388,429 2050 2051 315,284 14,703,713 14,388,429 14,388,429 14,703,713 2052 315,284 341,492 14,703,713 14,362,221 2053 315,284 14,703,713 14,388,429 2054 14,388,429 2055 315,284 14,703,713 315,284 14,703,713 14,388,429 2056 315.284 14,703,713 14,388,429 2057 14,379,525 2058 324,188 14,703,713 14,703,713 14,388,429 2059 315,284 14,703,713 14,388,429 2060 315,284 14,388,429 2061 315,284 14,703,713

Table 13-48 Flow of Net Project Benefit in Economic Terms (Plan A-2)

Year	Cost	Benefit	(Unit: 1,000 Baht) Net Benefit
2002	93,840	0	
2002	686,280		-93,840
2004	1,487,080	0	-686,280
2005		0	-1,487,080
2005	3,680,660	0	-3,680,660
	4,784,520	0	-4,784,520
2007	5,720,120	0	-5,720,120
2008	5,535,120	0	-5,535,120
2009	5,241,074	763,325	-4,477,749
2010	5,876,334	917,522	-4,958,812
2011	7,341,434	1,071,175	-6,270,259
2012	6,581,414	1,071,175	-5,510,239
2013	4,413,224	1,071,175	-3,342,049
2014	1,882,184	6,604,774	4,722,590
2015	315,284	10,064,854	9,749,570
2016	315,284	13,586,175	13,270,891
2017	315,284	14,089,489	13,774,205
2018	324,188	14,089,489	13,765,301
2019	315,284	14,089,489	13,774,205
2020	315,284	14,089,489	13,774,205
2021	315,284	14,089,489	13,774,205
2022	315,284	14,089,489	13,774,205
2023	341,492	14,089,489	13,747,997
2024	315,284	14,089,489	13,774,205
2025	315,284		
2026	315,284	14,089,489	13,774,205
2027	315,284	14,089,489	13,774,205
2027		14,089,489	13,774,205
	324,188	14,089,489	13,765,301
2029	315,284	14,089,489	13,774,205
2030	315,284	14,089,489	13,774,205
2031	315,284	14,089,489	13,774,205
2032	315,284	14,089,489	13,774,205
2033	341,492	14,089,489	13,747,997
2034	315,284	14,089,489	13,774,205
2035	315,284	14,089,489	13,774,205
2036	315,284	14,089,489	13,774,205
2037	315,284	14,089,489	13,774,205
2038	506,972	14,089,489	13,582,517
2039	315,284	14,089,489	13,774,205
2040	315,284	14,089,489	13,774,205
2041	315,284	14,089,489	13,774,205
2042	315,284	14,089,489	13,774,205
2043	341,492	14,089,489	13,747,997
2044	315,284	14,089,489	13,774,205
2045	315,284	14,089,489	13,774,205
2046	315,284	14,089,489	13,774,205
2047	315,284	14,089,489	13,774,205
2048	324,188	14,089,489	13,765,301
2049	315,284	14,089,489	13,774,205
2050	315,284	14,089,489	13,774,205
2051	315,284	14,089,489	
2052	315,284	14,089,489	13,774,205
2053	341,492		13,774,205
2054		14,089,489	13,747,997
	315,284	14,089,489	13,774,205
2055	315,284	14,089,489	13,774,205
2056	315,284	14,089,489	13,774,205
2057	315,284	14,089,489	13,774,205
2058	324,188	14,089,489	13,765,301
2059	315,284	14,089,489	13,774,205
2060	315,284	14,089,489	13,774,205
2061	315,284	14,089,489	13,774,205

			(Unit: 1,000 B
Year	Cost	Benefit	Net Benefit
2002	93,840	0	-93,840
2003	686,280	0	-686,280
2004	1,487,080	0	-1,487,080
2005	3,680,660	0	-3,680,660
2006	4,784,520	0	-4,784,520
2007	5,720,120	0	-5,720,120
2008	5,535,120	0	-5,535,120
2009	5,241,074	763,325	-4,477,749
2010	5,876,334	917,522	-4,958,812
2011	7,341,434	1,071,175	-6,270,259
2012	6,581,414	1,071,175	-5,510,239
2013	4,413,224	1,071,175	-3,342,049
2014	1,882,184	6,528,434	4,646,250
2015	315,284	10,075,915	9,760,631
2016	315,284	13,025,744	12,710,460
2017	315,284	13,543,721	13,228,437
2018	324,188	13,543,721	13,219,533
2019	315,284	13,543,721	13,228,437
2020	315,284	13,543,721	13,228,437
2021	315,284	13,543,721	13,228,437
2022	315,284	13,543,721	13,228,437
2023	341,492	13,543,721	13,202,229
2024	315,284	13,543,721	13,228,437
2025	315,284	13,543,721	13,228,437
2026	315,284	13,543,721	13,228,437
2027	315,284	13,543,721	13,228,437
2028	324,188	13,543,721	13,219,533
2029	315,284	13,543,721	13,228,437
2030	315,284	13,543,721	13,228,437
2031	315,284	13,543,721	13,228,437
2032	315,284	13,543,721	13,228,437
2033	341,492	13,543,721	13,202,229
2034	315,284	13,543,721	13,228,437
2035	315,284	13,543,721	13,228,437
2036	315,284	13,543,721	13,228,437
2037	315,284	13,543,721	13,228,437
2038	506,972	13,543,721	13,036,749
2039	315,284	13,543,721	13,228,437
2040	315,284	13,543,721	13,228,437
2041	315,284	13,543,721	13,228,437
2042	315,284	13,543,721	13,228,437
2043	341,492	13,543,721	13,202,229
2044	315,284	13,543,721	13,228,437
2045	315,284	13,543,721	13,228,437
2046	315,284	13,543,721	13,228,437
2047	315,284	13,543,721	13,228,437
2048	324,188	13,543,721	13,219,533
2049	315,284	13,543,721	13,228,437
2050	315,284	13,543,721	13,228,437
2051	315,284	13,543,721	13,228,437
2052	315,284	13,543,721	13,228,437
2053	341,492	13,543,721	13,202,229
2054	315,284	13,543,721	13,228,437
2055	315,284	13,543,721	13,228,437
2056	315,284	13,543,721	13,228,437
2057	315,284	13,543,721	13,228,437
2058	324,188	13,543,721	13,219,533
2059	315,284 315,284	13,543,721 13,543,721	13,228,437 13,228,437
2060	215 001	12 642 771	

Table 13-50 Flow of Net Project Benefit in Economic Terms (Plan B-1)

(Unit: 1.000 Baht) Net Benefit Benefit Year Cost -93,840 2002 93,840 0 -686,280 2003 0 686,280 -1,487,080 2004 1,487,080 0 0 -3,680,660 2005 3,680,660 -4,784,520 4,784,520 0 2006 0 -5,720,120 2007 5,720,120 -5,535,120 2008 5,535,120 0 4,522,174 763,325 -3,758,849 2009 -4,239,912 2010 5,157,434 917,522 1,071,175 -4,086,259 2011 5,157,434 -3,326,239 1,071,175 2012 4,397,414 1,071,175 -1,158,049 2,229,224 2013 2014 207,784 7,160,542 6,952,758 9,363,020 9,192,636 2015 170,384 13,379,516 13,209,132 170,384 2016 170,384 13,587,572 13,417,188 2017 13,408,284 2018 179,288 13,587,572 170,384 13,587,572 13,417,188 2019 170,384 13,587,572 13,417,188 2020 170,384 13,587,572 13,417,188 2021 170,384 13,417,188 2022 13,587,572 196,592 13,587,572 13,390,980 2023 170,384 13,587,572 13,417,188 2024 2025 170,384 13,587,572 13,417,188 170,384 13,587,572 13,417,188 2026 170,384 13,587,572 13,417,188 2027 13,408,284 2028 179,288 13,587,572 2029 170,384 13,587,572 13,417,188 2030 170,384 13,587,572 13,417,188 170,384 13,587,572 13,417,188 2031 13,417,188 2032 170,384 13,587,572 13,587,572 13,390,980 2033 196,592 170,384 13,587,572 13,417,188 2034 170,384 13,587,572 13,417,188 2035 2036 170,384 13,587,572 13,417,188 170,384 13,587,572 13,417,188 2037 13,225,500 362,072 13,587,572 2038 13,587,572 170,384 13,417,188 2039 2040 170,384 13,587,572 13,417,188 13,587,572 13,417,188 170,384 2041 170,384 13,587,572 13,417,188 2042 2043 196,592 13,587,572 13,390,980 13,417,188 170,384 13,587,572 2044 13,417,188 2045 170,384 13,587,572 13,417,188 2046 170,384 13,587,572 13,587,572 170,384 13,417,188 2047 179,288 13,408,284 2048 13,587,572 13,417,188 2049 170,384 13,587,572 13,417,188 170,384 13,587,572 2050 170,384 13,417,188 2051 13,587,572 2052 170,384 13,587,572 13,417,188 13,587,572 13,390,980 196,592 2053 2054 170,384 13,587,572 13,417,188 2055 170,384 13,587,572 13,417,188 170,384 13,587,572 13,417,188 2056 13,417,188 2057 170,384 13,587,572 2058 179,288 13,587,572 13,408,284 13,587,572 13,417,188 2059 170,384 170,384 13,587,572 13,417,188 2060

13,587,572

13,417,188

170,384

2061

Table 13-51 Flow of Net Project Benefit in Economic Terms (Plan B-2)

	_		
(Unit:	٠1	เหนา	Haht

951 840 ,280 ,7,080 ,0,660 4,520 0,120 5,120 2,174 7,434 7,434 7,414 9,724 ,384 ,384 ,384 ,384 ,384 ,384 ,384 ,38	Benefit  0 0 0 0 0 0 0 763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515	Net Benefit  -93,840 -686,280 -1,487,080 -3,680,660 -4,784,520 -5,720,120 -5,535,120 -3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
,280 7,080 0,660 4,520 0,120 5,120 2,174 7,434 7,434 7,414 9,224 4,3884 4,3884	0 0 0 0 0 0 763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-686,280 -1,487,080 -3,680,660 -4,784,520 -5,720,120 -5,535,120 -3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
,280 7,080 0,660 4,520 0,120 5,120 2,174 7,434 7,434 7,414 9,224 4,3884 4,3884	0 0 0 0 0 0 763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-686,280 -1,487,080 -3,680,660 -4,784,520 -5,720,120 -5,535,120 -3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
7,080 0,660 4,520 0,120 5,120 2,174 7,434 7,434 7,414 9,224 4,3884 4,3884	0 0 0 0 763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-1,487,080 -3,680,660 -4,784,520 -5,720,120 -5,535,120 -3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
0,660 4,520 0,120 5,120 2,174 7,434 7,434 7,414 9,224 4,384	0 0 0 763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-3,680,660 -4,784,520 -5,720,120 -5,535,120 -3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
4,520 0,120 5,120 2,174 7,434 7,434 7,414 9,224 4,384	0 0 763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-4,784,520 -5,720,120 -5,535,120 -3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
0,120 5,120 2,174 7,434 7,434 7,414 9,224 4,384	0 0 763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-5,720,120 -5,535,120 -3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
5,120 2,174 7,434 7,434 7,414 9,224 ,784 ,384 ,384 ,384 ,384 ,384 ,384 ,384 ,3	0 763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515	-5,535,120 -3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
2,174 7,434 7,434 7,414 9,224 ,784 ,384 ,384 ,384 ,384 ,384 ,384 ,384 ,3	763,325 917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-3,758,849 -4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
7,434 7,434 7,414 9,224 ,784 ,384 ,384 ,384 ,384 ,384 ,384 ,384 ,3	917,522 1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-4,239,912 -4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
7,434 7,414 9,224 ,784 ,384 ,384 ,384 ,384 ,384 ,384 ,384 ,3	1,071,175 1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-4,086,259 -3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
7,414 9,224 ,784 ,384 ,384 ,384 ,384 ,384 ,384 ,384 ,3	1,071,175 1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-3,326,239 -1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
9,224 ,784 ,384 ,384 ,384 ,288 ,384 ,384 ,384 ,384 ,384 ,384 ,384 ,3	1,071,175 7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	-1,158,049 6,905,492 9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131 12,871,131
,784 ,384 ,384 ,384 ,288 ,384 ,384 ,384 ,384 ,592 ,384 ,384 ,384 ,384	7,113,276 9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	6,905,492 9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,844,923 12,871,131 12,871,131 12,871,131
,384 ,384 ,384 ,288 ,384 ,384 ,384 ,384 ,592 ,384 ,384 ,384 ,384	9,426,644 12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	9,256,260 12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,844,923 12,871,131 12,871,131
,384 ,384 ,288 ,384 ,384 ,384 ,384 ,592 ,384 ,384 ,384 ,384	12,816,367 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	12,645,983 12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,844,923 12,871,131 12,871,131 12,871,131
,384 ,288 ,384 ,384 ,384 ,384 ,592 ,384 ,384 ,384 ,384	13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	12,871,131 12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,844,923 12,871,131 12,871,131 12,871,131
,288 ,384 ,384 ,384 ,384 ,592 ,384 ,384 ,384 ,384	13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	12,862,227 12,871,131 12,871,131 12,871,131 12,871,131 12,844,923 12,871,131 12,871,131
,384 ,384 ,384 ,384 ,592 ,384 ,384 ,384 ,384	13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	12,871,131 12,871,131 12,871,131 12,871,131 12,844,923 12,871,131 12,871,131 12,871,131
,384 ,384 ,384 ,592 ,384 ,384 ,384 ,384	13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	12,871,131 12,871,131 12,871,131 12,844,923 12,871,131 12,871,131 12,871,131
,384 ,384 ,592 ,384 ,384 ,384 ,384 ,288	13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	12,871,131 12,871,131 12,844,923 12,871,131 12,871,131 12,871,131
,384 ,592 ,384 ,384 ,384 ,384 ,288	13,041,515 13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	12,871,131 12,844,923 12,871,131 12,871,131 12,871,131
,592 ),384 ),384 ),384 ),384 ),288	13,041,515 13,041,515 13,041,515 13,041,515 13,041,515	12,844,923 12,871,131 12,871,131 12,871,131
9,384 9,384 9,384 9,384 9,288	13,041,515 13,041,515 13,041,515 13,041,515	12,871,131 12,871,131 12,871,131
),384 ),384 ),384 ),288	13,041,515 13,041,515 13,041,515	12,871,131 12,871,131
),384 ),384 ),288	13,041,515 13,041,515	12,871,131
),384 ),288	13,041,515	
,288		12,871,131
	13,041,515	
1.384		12,862,227
	13,041,515	12,871,131
),384	13,041,515	12,871,131
),384	13,041,515	12,871,131
),384	13,041,515	12,871,131
5,592	13,041,515	12,844,923
),384	13,041,515	12,871,131
		12,871,131
		12,871,131
		12,871,131
		12,679,443
		12,871,131
		12,871,131
		12,871,131
		12,871,131
		12,844,923
		12,871,131
		12,871,131
	13,041,515	12,871,131
	13,041,515	12,871,131
9,288	13,041,515	12,862,227
0,384	13,041,515	12,871,131
	13,041,515	12,871,131
0,384	13,041,515	12,871,131
0,384	13,041,515	12,871,131
6,592	13,041,515	12,844,923
0,384	13,041,515	12,871,131
0,384	13,041,515	12,871,131
0,384	13,041,515	12,871,131
		12,871,131
		12,862,227
	and the second s	12,871,131
		12,871,131
		12,871,131
	0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384 0,384	0,384       13,041,515         0,384       13,041,515

Table 13-52 Flow of Net Project Benefit in Economic Terms (Plan B-3)

(Unit: 1,000 Baht) Net Benefit Benefit Year Cost -93,840 2002 93,840 0 0 -686,280 2003 686,280 -1,487,080 0 2004 1,487,080 0 -3,680,660 3,680,660 2005 4,784,520 0 -4,784,520 2006 2007 5,720,120 0 -5,720,120 -5,535,120 0 2008 5,535,120 -3,758,849 763,325 2009 4,522,174 917,522 -4,239,912 2010 5,157,434 2011 5,157,434 1,071,175 -4,086,259 -3,326,239 1,071,175 2012 4,397,414 2013 2,229,224 -1,158,049 1,071,175 6,867,466 2014 207,784 7,075,250 9,316,867 170,384 9,487,251 2015 12,146,940 170,384 12,317,324 2016 12,386,121 2017 170,384 12,556,505 12,377,217 179,288 12,556,505 2018 2019 170,384 12,556,505 12,386,121 2020 170,384 12,556,505 12,386,121 12,386,121 12,556,505 170,384 2021 170,384 12,556,505 12,386,121 2022 2023 196,592 12,556,505 12,359,913 12,386,121 2024 170,384 12,556,505 12,386,121 2025 170,384 12,556,505 2026 170,384 12,556,505 12,386,121 12,556,505 12,386,121 170,384 2027 179,288 12,556,505 12,377,217 2028 12,556,505 12,386,121 2029 170,384 170,384 12,556,505 12,386,121 2030 170,384 12,556,505 12,386,121 2031 12,556,505 12,386,121 170,384 2032 2033 196,592 12,556,505 12,359,913 2034 170,384 12,556,505 12,386,121 12,556,505 12,386,121 2035 170,384 2036 170,384 12,556,505 12,386,121 2037 170,384 12,556,505 12,386,121 12,556,505 362,072 12,194,433 2038 170,384 12,556,505 12,386,121 2039 2040 170,384 12,556,505 12,386,121 12,386,121 12,556,505 170,384 2041 170,384 12.556,505 12,386,121 2042 196,592 12,556,505 12,359,913 2043 170,384 12,556,505 12,386,121 2044 2045 170,384 12,556,505 12,386,121 170,384 12,556,505 12,386,121 2046 2047 170,384 12,556,505 12,386,121 2048 179,288 12,556,505 12,377,217 12,556,505 12,386,121 170,384 2049 170,384 12,556,505 12,386,121 2050 2051 170,384 12,556,505 12,386,121 12,556,505 12,386,121 170,384 2052 2053 196,592 12,556,505 12,359,913 170,384 12,556,505 12,386,121 2054 2055 170,384 12,556,505 12,386,121 12,556,505 170,384 12,386,121 2056 12,556,505 12,386,121 2057 170,384 12,377,217 2058 179,288 12,556,505 12,386,121 2059 170,384 12,556,505

12,556,505

12,556,505

2060

2061

170,384

170,384

12,386,121

12,386,121

Table 13-53 Net Present Value and Benefit-Cost Ratio in Economic Terms (Plan A-1)

(Unit: 1,000 Baht) Present Worth D.F. Benefit D.F. Year Cost Present Worth 2002 93,840 0,892857143 83,786 0 0.892857143 0 547,098 686,280 0.797193878 0.797193878 0 2003 Û 1,487,080 0.711780248 1,058,474 2004 0 0.711780248 O 0 2,339,126 0 2005 3,680,660 0.635518078 0.635518078 2006 4,784,520 0.567426856 2,714,865 0 0.567426856 0 2.897.991 0 0 2007 5,720,120 0.506631121 0.506631121 2008 5,535,120 0.452349215 2,503,807 0 0.452349215 0 2009 5,241,074 0.403883228 2,116,782 763,325 0.403883228 308,294 2010 5,876,334 0.3606100 2,119,065 917,522 0.3606100 330,868 7,341,434 0.321973237 2,363,745 1,071,175 0.321973237 344,890 2011 307,937 2012 6,581,414 0.287476104 1,891,999 1,071,175 0.287476104 1,071,175 2013 4,413,224 0.256675093 1,132,765 0.256675093 274,944 1,882,184 0.22917419 431,348 6,695,027 0.22917419 1,534,327 2014 2015 315,284 0.204619813 64,513 10,056,808 0.204619813 2,057,822 315,284 2016 0.182696261 57,601 14,216,861 0.182696261 2,597,367 2017 315,284 0.163121662 51,430 14,703,713 0.163121662 2,398,494 2018 324,188 0.145644341 47,216 14,703,713 0.145644341 2.141.513 0.13003959 14,703,713 0.13003959 2019 315,284 40,999 1,912,065 14,703,713 2020 315,284 0.116106777 36,607 0.116106777 1,707,201 14,703,713 2021 315,284 0.103666765 32.684 0.103666765 1,524,286 2022 315,284 0.092559612 29,183 14,703,713 0.092559612 1,360,970 341,492 28,222 2023 0.08264251 14,703,713 0.08264251 1.215,152 2024 315,284 0.0737880 23,264 14,703,713 0.0737880 1,084,957 2025 315,284 0.065882103 20,772 14,703,713 0.065882103 968,712 18,546 14,703,713 0.058823307 2026 315,284 0.058823307 864,921 2027 315,284 0.052520809 16,559 14,703,713 0.052520809 772,251 14,703,713 0.04689358 15,202 0.04689358 689,510 2028 324,188 2029 315,284 0.041869268 13,201 14,703,713 0.041869268 615,634 14,703,713 2030 315,284 0.037383275 11,786 0.037383275 549,673 10,524 0.033377924 490,779 2031 315,284 0.033377924 14,703,713 2032 315,284 0.029801718 9,396 14,703,713 0.029801718 438,196 2033 341,492 0.026608677 9,087 14,703,713 0.026608677 391,246 315,284 2034 0.023757747 7,490 14,703,713 0.023757747 349,327 2035 315,284 0.021212274 6,688 14,703,713 0.021212274 311,899 278,481 14,703,713 2036 315,284 0.01893953 5,971 0.01893953 2037 315,284 0.016910295 5,332 14,703,713 0.016910295 248,644 2038 506,972 0.015098478 7,655 14,703,713 0.015098478 222,004 4,250 0.013480784 315,284 14,703,713 0.013480784 198,218 2039 2040 315,284 0.012036414 3,795 14,703,713 0.012036414 176,980 315,284 3.388 14,703,713 0.010746798 158,018 2041 0.010746798 2042 315,284 0.009595356 3,025 14,703,713 0.009595356 141,087 2,926 2043 341,492 0.008567282 14,703,713 0.008567282 125,971 2044 315,284 0.007649359 2,412 14,703,713 0.007649359 112,474 2045 315,284 0.006829785 2,153 14,703,713 0.006829785 100,423 2046 315,284 0.0060980 1,923 14,703,713 0.0060980 89,664 2047 315,284 0.005444662 1,717 14,703,713 0.005444662 80,057 14,703,713 2048 324,188 0.004861306 1,576 0.004861306 71,479 2049 0.004340452 1,368 315,284 14,703,713 0.004340452 63,821 2050 315,284 0.003875403 1,222 14,703,713 0.003875403 56,983 1.091 14,703,713 0.003460181 50,878 2051 315,284 0.003460181 2052 315,284 0.003089448 974 14,703,713 0.003089448 45,426 2053 341,492 0.002758435 942 14,703,713 0.002758435 40,559 777 14,703,713 36,214 2054 315,284 0.002462889 0.002462889 2055 315,284 0.002199008 693 14,703,713 0.002199008 32,334 14,703,713 315,284 619 0.0019634 28,869 2056 0.0019634 2057 315,284 0.001753036 553 14,703,713 0.001753036 25,776 324,188 507 14,703,713 0.00156521 23,014 2058 0.00156521 20,549 2059 315,284 0.001397509 441 14,703,713 0.001397509 2060 315,284 0.001247776 393 14,703,713 0.001247776 18,347 2061 315,284 0.001114086 351 14,703,713 0.001114086 16,381

Total 22,807,875 30,005,884

 Net Present Value at 12%:
 7,198,010

 Benefit-Cost Ratio at 12%:
 1.32

Table 13-54 Net Present Value and Benefit-Cost Ratio in Economic Terms (Plan A-2)

(Unit: 1,000 Baht)

37	C4	D.E.	D	D		December 1
Year	Cost	D.F.	Present Worth	Benefit	D.F.	Present Worth
2002	93,840	0.892857143	83,786	0	0.892857143	0
2003	686,280	0.797193878	547,098	0	0.797193878	0
2004	1,487,080	0.711780248	1,058,474	0	0.711780248	0
2005	3,680,660	0,635518078	2,339,126	. 0	0.635518078	0
2006	4,784,520	0.567426856	2,714,865	0	0.567426856	0
2007	5,720,120	0.506631121	2,897,991	0	0.506631121	0
2008	5,535,120	0.452349215	2,503,807	. 0	0.452349215	• . 0
2009	5,241,074	0.403883228	2,116,782	763,325	0.403883228	308,294
2010	5,876,334	0.3606100	2,119,065	917,522	0.3606100	330,868
2011	7,341,434	0,321973237	2,363,745	1,071,175	0.321973237	344,890
2012	6,581,414	0.287476104	1,891,999	1,071,175	0.287476104	307,937
2013	4,413,224	0,256675093	1,132,765	1,071,175	0.256675093	274,944
2014	1,882,184	0.22917419	431,348	6,604,774	0,22917419	1,513,644
2015	315,284	0.204619813	64,513	10,064,854	0.204619813	2,059,469
2016	315,284	0.182696261	57,601	13,586,175	0.182696261	2,482,143
2017	315,284	0.163121662	51,430	14,089,489	0.163121662	2,298,301
2018	324,188	0.145644341	47,216	14,089,489	0.145644341	2,052,054
2019	315,284	0.13003959	40,999	14,089,489	0.13003959	1,832,191
				14,089,489		
2020	315,284	0.116106777	36,607		0.116106777	1,635,885
2021	315,284	0.103666765	32,684	14,089,489	0.103666765	1,460,612
2022	315,284	0.092559612	29,183	14,089,489	0.092559612	1,304,118
2023	341,492	0.08264251	28,222	14,089,489	0.08264251	1,164,391
2024	315,284	0.0737880	23,264	14,089,489	0.0737880	1,039,635
2025	315,284	0.065882103	20,772	14,089,489	0.065882103	928,245
2026	315,284	0.058823307	18,546	14,089,489	0.058823307	828,790
2027	315,284	0.052520809	16,559	14,089,489	0.052520809	739,991
2028	324,188	0.04689358	15,202	14,089,489	0.04689358	660,707
2029	315,284	0.041869268	13,201	14,089,489	0.041869268	589,917
2030	315,284	0.037383275	11,786	14,089,489	0.037383275	526,711
2031	315,284	0.033377924	10,524	14,089,489	0.033377924	470,278
2032	315,284	0.029801718	9,396	14,089,489	0.029801718	419,891
2033	341,492	0.026608677	9,087	14,089,489	0.026608677	374,903
2034	315,284	0.023757747	7,490	14,089,489	0.023757747	334,735
2035	315,284	0.021212274	6,688	14,089,489	0.021212274	298,870
2036	315,284	0.01893953	5,971	14,089,489	0.01893953	266,848
2037	315,284	0.016910295	5,332	14,089,489	0.016910295	238,257
2038	506,972	0.015098478	7,655	14,089,489	0.015098478	212,730
2039	315,284	0.013480784	4,250	14,089,489	0.013480784	189,937
2040	315,284	0.012036414	3,795	14,089,489	0.012036414	169,587
2041	315,284	0.010746798	3,388	14,089,489	0,010746798	151,417
2042	315,284	0.009595356	3,025	14,089,489	0.009595356	135,194
2043	341,492	0.008567282	2,926	14,089,489	0.008567282	120,709
2044	315,284	0.007649359	2,412	14,089,489	0.007649359	107,776
2045	315,284	0.006829785	2,153	14,089,489	0.006829785	96,228
2046	315,284	0.0060980	1,923	14,089,489	0.0060980	85,918
2047	315,284	0.005444662	•	14,089,489	0.005444662	76,713
2047	324,188	0.003444002		14,089,489	0.003444002	68,493
2048 2049	315,284	0.004340452	•	14,089,489	0.004340452	61,155
	315,284			14,089,489		54,602
2050		0.003875403			0.003875403	•
2051	315,284	0.003460181	•	14,089,489	0.003460181	48,752
2052	315,284	0.003089448		14,089,489	0.003089448	43,529
2053	341,492	0.002758435		14,089,489	0.002758435	38,865
2054	315,284	0,002462889		14,089,489	0.002462889	34,701
2055	315,284	0.002199008		14,089,489	0.002199008	30,983
2056	315,284	0.0019634	619	14,089,489	0.0019634	27,663
2057	315,284	0.001753036		14,089,489	0.001753036	24,699
2058	324,188	0.00156521	507	14,089,489	0.00156521	22,053
2059	315,284	0.001397509	441	14,089,489	0.001397509	19,690
2060	315,284	0.001247776	393	14,089,489	0.001247776	
2061	315,284	0.001114086	351	14,089,489	0.001114086	15,697

Total 22,807,875 28,942,189

Net Present Value at 12%: Benefit-Cost Ratio at 12%: 6,134,314 1.27

Table 13-55 Net Present Value and Benefit-Cost Ratio in Economic Terms (Plan A-3)

(Unit: 1,000 Baht) Present Worth **Уеаг** D.F. Benefit Cost D.F. Present Worth 2002 93,840 0.892857143 83,786 0 0.892857143 0 0.797193878 2003 686,280 0.797193878 547,098 A 0 0.711780248 2004 1,487,080 1,058,474 0 0.711780248 0 2005 2,339,126 n 3,680,660 0.635518078 0.635518078 n 2006 4,784,520 0.567426856 2,714,865 0 0.567426856 0 2,897,991 2007 0 5,720,120 0.506631121 0.506631121 n 2008 5,535,120 0.452349215 2,503,807 0 0,452349215 0 2009 5.241.074 0.403883228 763,325 0.403883228 2.116,782 308,294 2010 5,876,334 0.3606100 2,119,065 917,522 0.3606100 330,868 2011 7,341,434 0,321973237 2,363,745 1,071,175 0,321973237 344,890 6,581,414 2012 0.287476104 1,891,999 1,071,175 0.287476104 307,937 2013 4,413,224 0.256675093 1,132,765 1,071,175 0.256675093 274,944 2014 1.882.184 0.22917419 431,348 0.22917419 6,528,434 1,496,149 2015 315,284 0.204619813 10,075,915 64,513 0.204619813 2,061,732 13,025,744 2016 315,284 0.182696261 57,601 0.182696261 2,379,755 2017 315,284 0,163121662 51,430 13,543,721 0.163121662 2,209,274 2018 324,188 0.145644341 47,216 13.543,721 0.145644341 1,972,566 40,999 13,543,721 2019 315,284 0.13003959 0.13003959 1,761,220 0.116106777 2020 315,284 36,607 13,543,721 0.116106777 1,572,518 315,284 32,684 2021 0.103666765 13,543,721 0.103666765 1,404,034 2022 315,284 0.092559612 29,183 13,543,721 0.092559612 1,253,602 2023 341,492 0.08264251 28,222 13.543,721 0.08264251 1,119,287 2024 315,284 0.0737880 23,264 13,543,721 0.0737880 999,363 315,284 2025 0.065882103 20,772 13,543,721 0.065882103 892,289 18,546 13,543,721 2026 315,284 0.058823307 0.058823307 796,686 2027 315,284 0.052520809 16,559 13,543,721 0.052520809 711,327 324,188 2028 0.04689358 15,202 13,543,721 0.04689358 635,114 2029 315,284 0.041869268 13,201 13,543,721 0.041869268 567,066 2030 315,284 0.037383275 13,543,721 11,786 0.037383275 506,309 315,284 2031 0.033377924 10,524 13,543,721 0.033377924 452,061 2032 315,284 0.029801718 9,396 13,543,721 0.029801718 403,626 2033 341,492 0.026608677 9,087 13.543,721 0.026608677 360 380 315,284 2034 0.023757747 7,490 13,543,721 0.023757747 321,768 2035 315,284 0.021212274 6,688 13,543,721 0.021212274 287,293 13,543,721 2036 315,284 0.01893953 5.971 0.01893953 256,512 2037 315,284 0.016910295 5,332 13,543,721 0.016910295 229,028 2038 506,972 0.015098478 7,655 13,543,721 0.015098478 204,490 4,250 2039 315,284 0.013480784 13,543,721 0.013480784 182,580 2040 315,284 0.012036414 3,795 13,543,721 0.012036414 163,018 2041 315,284 0.010746798 3,388 13,543,721 0.010746798 145,552 2042 315,284 0.009595356 3,025 13,543,721 0.009595356 129,957 2043 341,492 0.008567282 2,926 13,543,721 0.008567282 116,033 315,284 13,543,721 2044 0.007649359 2,412 0.007649359 103,601 2045 315,284 0.006829785 2,153 13,543,721 0,006829785 92,501 2046 315.284 0.0060980 1.923 13.543.721 0.0060980 82,590 2047 315,284 0.005444662 1,717 13,543,721 0.005444662 73,741 2048 324,188 0.004861306 1,576 13,543,721 0.004861306 65,840 1,368 13,543,721 2049 315,284 0.004340452 0.004340452 58,786 2050 315,284 0.003875403 1,222 13,543,721 0.003875403 52,487 13,543,721 2051 315,284 0.003460181 1,091 0.003460181 46,864 2052 315,284 0.003089448 974 13,543,721 0.003089448 41,843 2053 341,492 0.002758435 942 13,543,721 0.002758435 37,359 777 33,357 2054 315,284 0.002462889 13,543,721 0.002462889 2055 315,284 0.002199008 693 13,543,721 0.002199008 29,783 13,543,721 2056 315,284 0.0019634 619 0.0019634 26,592 2057 315,284 0.001753036 553 13,543,721 0.001753036 23,743 2058 324,188 0.00156521 507 13,543,721 21,199 0.00156521 2059 315,284 0.001397509 441 13,543,721 0.001397509 18,927 315,284 2060 0.001247776 393 13,543,721 0.001247776 16,900 315,284 2061 0.001114086 351 13,543,721 15,089 0.001114086

Total 22,807,875 27,998,720

Net Present Value at 12%: Benefit-Cost Ratio at 12%: 5,190,846 1,23

Table 13-56 Net Present Value and Benefit-Cost Ratio in Economic Terms (Plau B-1)

(Unit: 1,000 Baht)

		<del></del>				nit: 1,000 Baht)
Year	Cost	D.F.	Present Worth	Benefit	D.F.	Present Worth
2002	93,840	0.892857143	83,786	0	0.892857143	. 0
2003	686,280	0.797193878	547,098	0	0.797193878	0
2004	1,487,080	0.711780248	1,058,474	0	0.711780248	0
2005	3,680,660	0.635518078	2,339,126	0	0.635518078	0
2006	4,784,520	0.567426856	2,714,865	0	0.567426856	0
2007	5,720,120	0.506631121	2,897,991	0	0.506631121	0 -
2008	5,535,120	0.452349215	2,503,807	0 .	0.452349215	0
2009	4,522,174	0.403883228	1,826,430	763,325	0.403883228	308,294
2010	5,157,434	0.3606100	1,859,822	917,522	0.3606100	330,868
2011	5,157,434	0,321973237	1,660,556	1,071,175	0.321973237	344,890
2012	4,397,414	0.287476104	1,264,151	1,071,175	0.287476104	307,937
2013	2,229,224	0.256675093	572,186	1,071,175	0.256675093	274,944
2014	207,784	0.22917419	47,619	7,160,542	0.22917419	1,641,011
2015	170,384	0.204619813	34,864	9,363,020	0.204619813	1,915,859
2016	170,384	0.182696261	31,129	13,379,516	0.182696261	2,444,388
2017	170,384	0.163121662	27,793	13,587,572	0.163121662	2,216,427
2018	179,288	0.145644341	26,112	13,587,572	0.145644341	1,978,953
2019	170,384	0.13003959	22,157	13,587,572	0.13003959	1,766,922
2020	170,384	0.116106777	19,783	13,587,572	0.116106777	1,577,609
2021	170,384	0.103666765	17,663	13,587,572	0.103666765	1,408,580
2022	170,384	0.092559612	15,771	13,587,572	0.092559612	1,257,660
2023	196,592	0.08264251	16,247	13,587,572	0.08264251	1,122,911
2023	170,384	0.0737880	12,572	13,587,572	0.0737880	1,002,599
2025	170,384	0.065882103	11,225	13,587,572	0.065882103	895,178
2025	170,384	0.058823307	10,023	13,587,572	0.058823307	799,266
2027	170,384	0.052520809	8,949	13.587.572	0.052520809	713,630
2027	179,288	0.04689358	8,407	13,587,572	0.04689358	637,170
2028	179,288	0.041869268	7,134	13,587,572	0.041869268	568,902
2030	170,384	0.037383275	6,370	13,587,572	0.037383275	507,948
2031	170,384	0.037383273	5,687	13,587,572	0.0333377924	453,525
2031	170,384	0.029801718	5,078	13,587,572	0.029801718	404,933
2032	196,592	0.026608677	5,231	13,587,572	0.026608677	361,547
2033	170,384	0.023757747	4,048	13,587,572	0.023757747	322,810
2035	170,384	0.023737747		13,587,572	0.021212274	288,223
2035	170,384	0.021212274	3,227	13,587,572	0.01893953	257,342
	170,384	0.016910295	2,881	13,587,572	0.016910295	229,770
2037 2038	362,072	0.015910293	•	13,587,572	0.015098478	205,152
2039	170,384	0.013480784		13,587,572	0.013480784	183,171
	170,384	0.013480784	•	13,587,572	0.013436764	163,546
2040	170,384	0.012030414		13,587,572	0.012030714	146,023
2041	•	0.009595356		13,587,572		130,378
2042 2043	170,384 196,592	0.009393336		13,587,572	0.009593330	116,409
	170,384	0.007649359		13,587,572	0.003507282	103,936
2044	170,384	0.006829785	•	13,587,572		92,800
2045	170,384	0.0060980	•	13,587,572	0.0060980	82,857
2046		***-*	1,039	13,587,572	0.005444662	73,980
2047	170,384	0.005444662	and the second s	13,587,572	0.003444002	66,053
2048	179,288	0.004861306			0.004340452	58,976
2049	170,384	0.004340452		13,587,572	and the second second	-
2050	170,384	0.003875403		13,587,572	0.003875403	A Company of the Comp
2051	170,384	0.003460181		13,587,572	A Company of the Comp	2.1
2052	170,384	0.003089448	and the second s	13,587,572	0.003089448	
2053	196,592	0.002758435		13,587,572	0.002758435	• • • • • • • • • • • • • • • • • • • •
2054	170,384	0,002462889		13,587,572	0.002462889	
2055	170,384	0.002199008		13,587,572		
2056	170,384	0.0019634	335	13,587,572		26,678
2057	170,384	0.001753036		13,587,572		
2058	179,288	0.00156521		13,587,572		21,267
2059	170,384	0.001397509		13,587,572		•
2060	170,384	0,001247776	5 213	13,587,572		
2061	170,384	0.001114086	5 190	13,587,572	0.001114086	15,138

Total 19,707,553 28,128,698

Net Present Value at 12%: 8,421,146
Benefit-Cost Ratio at 12%: 1.43

Table 13-57 Net Present Value and Benefit-Cost Ratio in Economic Terms (Plan B-2)

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<del> </del>				·····		nit: 1,000 Baht)
Year	Cost	D.F.	Present Worth	Benefit	D.F.	Present Worth
2002	93,840	0.892857143	83,786	0	0.892857143	0
2003	686,280	0.797193878	547,098	0	0.797193878	0
2004	1,487,080	0.711780248	1,058,474	0	0.711780248	0
2005	3,680,660	0.635518078	2,339,126	0	0.635518078	0
2006	4,784,520	0.567426856	2,714,865	0	0.567426856	0
2007	5,720,120	0.506631121	2,897,991	0	0.506631121	0
2008	5,535,120	0.452349215	2,503,807	0	0.452349215	0
2009	4,522,174	0.403883228	1,826,430	763,325	0.403883228	308,294
2010	5,157,434	0.3606100	1,859,822	917,522	0.3606100	330,868
2011	5,157,434	0.321973237	1,660,556	1,071,175	0.321973237	344,890
2012	4,397,414	0.287476104	1,264,151	1,071,175	0.287476104	307,937
2013	2,229,224	0.256675093	572,186	1,071,175	0.256675093	274,944
2014	207,784	0.22917419	47,619	7,113,276	0.22917419	1,630,179
2015	170,384	0.204619813	34,864	9,426,644	0.204619813	1,928,878
2016	170,384	0.182696261	31,129	12,816,367	0.182696261	2,341,502
2017	170,384	0.163121662	27,793	13,041,515	0.163121662	2,127,354
2018	179,288	0.145644341	26,112	13,041,515	0.145644341	1,899,423
2019	170,384	0.13003959	22,157	13,041,515	0.13003959	1,695,913
2020	170,384	0.116106777	19,783	13,041,515	0.116106777	1,514,208
2021	170,384	0.103666765	17,663	13,041,515	0.103666765	1,351,972
2022	170,384	0.092559612	15,771	13,041,515	0.092559612	1,207,118
2023	196,592	0.08264251	16,247	13,041,515	0.08264251	1,077,784
2024	170,384	0.0737880	12,572	13,041,515	0.0737880	962,307
2025	170,384	0.065882103	11,225	13,041,515	0.065882103	859,202
2026	170,384	0.058823307	10,023	13,041,515	0.058823307	767,145
2027	170,384	0.052520809	8,949	13,041,515	0.052520809	684,951
2028	179,288	0.04689358	8,407	13,041,515	0.04689358	611,563
2029	170,384	0.041869268	7,134	13,041,515	0.041869268	546,039
2030	170,384	0.037383275	6,370	13,041,515	0.037383275	487,535
2031	170,384	0.033377924	5,687	13,041,515	0.033377924	435,299
2032	170,384	0.029801718		13,041,515	0.029801718	388,660
2033	196,592	0.026608677	5,231	13,041,515	0.026608677	347,017
2034	170,384	0.023757747	4,048	13,041,515	0.023757747	309,837
2035	170,384	0.021212274	3,614	13,041,515	0.021212274	276,640
2036	170,384	0.01893953	3,227	13,041,515		247,000
2037	170,384	0.016910295	2,881	13,041,515	0.016910295	220,536
2038	362,072	0.015098478	5,467	13,041,515	0.015098478	196,907
2039	170,384	0.013480784	2,297	13,041,515	0.013480784	175,810
2040	170,384	0.012036414	2,051	13,041,515	0.012036414	156,973
2041	170,384	0.010746798	1,831	13,041,515	0.010746798	140,155
2042	170,384	0.009595356	1,635	13,041,515	0.009595356	125,138
2043	196,592	0.008567282	1,684	13,041,515	0.008567282	111,730
2044	170,384	0.007649359	1,303	13,041,515	0.007649359	
2045	170,384	0.006829785	1,164	13,041,515	0,006829785	89,071
2046	170,384	0.0060980	1,039	13,041,515	0.0060980	79,527
2047	170,384	0.005444662	928	13,041,515	0.005444662	71,007
2048	179,288	0.004861306	872	13,041,515	0.004861306	63,399
2049	170,384	0.004340452	740	13,041,515	0.004340452	56,606
2050	170,384	0.003875403	660	13,041,515	0.003875403	50,541
2051	170,384	0.003460181	590	13,041,515	0.003460181	45,126
2052	170,384	0.003089448	526	13,041,515	0.003089448	40,291
2053	196,592	0.002758435	542	13,041,515	0.002758435	35,974
2054	170,384	0.002462889	420	13,041,515	0.002462889	32,120
2055	170,384	0.002199008		13,041,515	0.002199008	28,678
2056	170,384	0.0019634	335	13,041,515	0.0019634	25,606
2057	170,384	0.001753036		13,041,515	0.001753036	22,862
2058	179,288	0.00156521	281	13,041,515	0.00156521	20,413
2059	170,384	0.001397509	238	13,041,515	0.001397509	18,226
2060	170,384	0.001247776		13,041,515	0.001247776	16,273
2061	170,384	0.001114086	190	13,041,515	0.001114086	14,529

Total 19,707,553 27,201,715

Net Present Value at 12%: Benefit-Cost Ratio at 12%: 7,494,162 1.38

Table 13-58 Net Present Value and Benefit-Cost Ratio in Economic Terms (Plan B-3)

	αī	nit.	. 1	000	Baht	ì
•	u	1111.		·ww	Dain	ı

2003 686,280 0 2004 1,487,080 0 2005 3,680,660 0 2006 4,784,520 0 2007 5,720,120 0 2008 5,535,120 0 2009 4,522,174 0 2010 5,157,434 0 2011 5,157,434 0 2012 4,397,414 0 2013 2,229,224 0 2014 207,784 0 2015 170,384 0 2016 170,384 0 2017 170,384 0 2018 179,288 0 2019 170,384 0 2020 170,384 0 2021 170,384 0	D.F. 0.892857143 0.797193878 0.711780248	83,786 547,098	Benefit 0	D.F. P 0.892857143	resent Worth
2003 686,280 0 2004 1,487,080 0 2005 3,680,660 0 2006 4,784,520 0 2007 5,720,120 0 2008 5,535,120 0 2009 4,522,174 0 2010 5,157,434 0 2011 5,157,434 0 2012 4,397,414 0 2013 2,229,224 0 2014 207,784 0 2015 170,384 0 2016 170,384 0 2017 170,384 0 2018 179,288 0 2019 170,384 0 2020 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2025 170,384 0 2026 170,384 0 2027 170,384 0 2028 179,288 0 2029 170,384 0 2030 170,384 0 2031 170,384 0 2041 170,384 0 2051 170,384 0 2051 170,384 0 2051 170,384 0 2051 170,384 0 2051 170,384 0 2051 170,384 0 2	).797193878 ).711780248			0.892857143	
2004 1,487,080 0 2005 3,680,660 0 2006 4,784,520 0 2007 5,720,120 0 2008 5,535,120 0 2009 4,522,174 0 2010 5,157,434 0 2011 5,157,434 0 2012 4,397,414 0 2013 2,229,224 0 2014 207,784 0 2015 170,384 0 2016 170,384 0 2017 170,384 0 2018 179,288 0 2019 170,384 0 2020 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2025 170,384 0 2026 170,384 0 2027 170,384 0 2028 179,288 0 2029 170,384 0 2030 170,384 0 2031 170,384 0 2040 170,384 0 2040 170,384 0 2041 170,384 0 2051 170,384 0 2	),711780248	547.009	_		0
2005 3,680,660 0 2006 4,784,520 0 2007 5,720,120 0 2008 5,535,120 0 2009 4,522,174 0 2010 5,157,434 0 2011 5,157,434 0 2012 4,397,414 0 2013 2,229,224 0 2014 207,784 0 2015 170,384 0 2016 170,384 0 2017 170,384 0 2018 179,288 0 2019 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2021 170,384 0 2025 170,384 0 2026 170,384 0 2027 170,384 0 2030 170,384 0 2031 170,384 0 2040 170,384 0 2041 170,384 0 2051 170,384 0 205			0	0.797193878	0
2006 4,784,520 6 2007 5,720,120 6 2008 5,535,120 6 2009 4,522,174 6 2010 5,157,434 6 2011 5,157,434 6 2012 4,397,414 6 2013 2,229,224 6 2014 207,784 6 2015 170,384 6 2016 170,384 6 2017 170,384 6 2018 179,288 6 2019 170,384 6 2020 170,384 6 2021 170,384 6 2021 170,384 6 2022 170,384 6 2023 196,592 6 2024 170,384 6 2025 170,384 6 2025 170,384 6 2026 170,384 6 2027 170,384 6 2028 179,288 6 2029 170,384 6 2030 170,384 6 2031 170,384 6 2031 170,384 6 2032 170,384 6 2033 196,592 6 2034 170,384 6 2035 170,384 6 2036 170,384 6 2037 170,384 6 2038 362,072 6 2039 170,384 6 2030 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2031 170,384 6 2040 170,384 6 2040 170,384 6 2041 170,384 6 2041 170,384 6 2042 170,384 6 2043 196,592 6 2044 170,384 6 2049 170,384 6 2049 170,384 6 2050 170,384 6 2051 170,384 6 2051 170,384 6 2052 170,384 6 2051 170,384 6 2052 170,384 6 2053 196,592	\ /APE4AA=A	1,058,474	0	0.711780248	0
2007         5,720,120         0           2008         5,535,120         0           2009         4,522,174         0           2010         5,157,434         0           2011         5,157,434         0           2012         4,397,414         0           2013         2,229,224         0           2014         207,784         0           2015         170,384         0           2016         170,384         0           2017         170,384         0           2018         179,288         0           2019         170,384         0           2020         170,384         0           2021         170,384         0           2022         170,384         0           2023         196,592         0           2024         170,384         0           2025         170,384         0           2026         170,384         0           2027         170,384         0           2031         170,384         0           2032         170,384         0           2034         170,384         0	).635518078	2,339,126	0	0.635518078	0
2008         5,535,120           2009         4,522,174           2010         5,157,434           2011         5,157,434           2012         4,397,414           2013         2,229,224           2014         207,784           2015         170,384           2016         170,384           2017         170,384           2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2040         170,384           2041         170,384           2042         170,384 </td <td>0.567426856</td> <td>2,714,865</td> <td>0</td> <td>0.567426856</td> <td>0</td>	0.567426856	2,714,865	0	0.567426856	0
2009         4,522,174           2010         5,157,434           2011         5,157,434           2012         4,397,414           2013         2,229,224           2014         207,784           2015         170,384           2016         170,384           2017         170,384           2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384 <td>0.506631121</td> <td>2,897,991</td> <td>0</td> <td>0.506631121</td> <td>0</td>	0.506631121	2,897,991	0	0.506631121	0
2010         5,157,434           2011         5,157,434           2012         4,397,414           2013         2,229,224           2014         207,784           2015         170,384           2016         170,384           2017         170,384           2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384	0.452349215	2,503,807	. 0	0.452349215	0
2011         5,157,434           2012         4,397,414           2013         2,229,224           2014         207,784           2015         170,384           2016         170,384           2017         170,384           2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2041         170,384           2042         170,384	0.403883228	1,826,430	763,325	0.403883228	308,294
2011         5,157,434           2012         4,397,414           2013         2,229,224           2014         207,784           2015         170,384           2016         170,384           2017         170,384           2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592	0.3606100	1,859,822	917,522	0.3606100	330,868
2013 2,229,224 2 2014 207,784 2 2015 170,384 2 2016 170,384 2 2017 170,384 2 2018 179,288 2 2019 170,384 2 2020 170,384 2 2021 170,384 2 2022 170,384 2 2022 170,384 2 2024 170,384 2 2025 170,384 2 2026 170,384 2 2026 170,384 2 2027 170,384 2 2028 179,288 2 2029 170,384 2 2030 170,384 2 2031 170,384 2 2031 170,384 2 2031 170,384 2 2031 170,384 2 2031 170,384 2 2031 170,384 2 2031 170,384 2 2031 170,384 2 2034 170,384 2 2035 170,384 2 2036 170,384 2 2036 170,384 2 2037 170,384 2 2038 362,072 2 2039 170,384 2 2040 170,384 2 2040 170,384 2 2041 170,384 2 2042 170,384 2 2043 196,592 2 2044 170,384 2 2045 170,384 2 2046 170,384 2 2047 170,384 2 2048 179,288 2 2049 170,384 2 2049 170,384 2 2049 170,384 2 2050 170,384 2 2050 170,384 2 2051	0.321973237	1,660,556	1,071,175	0.321973237	344,890
2013         2,229,224           2014         207,784           2015         170,384           2016         170,384           2017         170,384           2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384 </td <td>0.287476104</td> <td>1,264,151</td> <td>1,071,175</td> <td>0.287476104</td> <td>307,937</td>	0.287476104	1,264,151	1,071,175	0.287476104	307,937
2014 207,784 2015 170,384 2016 170,384 2017 170,384 2018 179,288 2019 170,384 2020 170,384 2021 170,384 2022 170,384 2022 170,384 2023 196,592 2024 170,384 2025 170,384 2026 170,384 2027 170,384 2028 179,288 2029 170,384 2030 170,384 2031 170,384 2041 170,384 2040 170,384 2040 170,384 2041 170,384 2041 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2050 170,384 2050 170,384 2051 170,384 2052 170,384 2053 196,592	0,256675093	572,186	1,071,175	0.256675093	274,944
2015 170,384 2016 170,384 2017 170,384 2018 179,288 2019 170,384 2020 170,384 2021 170,384 2022 170,384 2022 170,384 2023 196,592 2024 170,384 2025 170,384 2026 170,384 2027 170,384 2028 179,288 2029 170,384 2030 170,384 2031 170,384 2031 170,384 2032 170,384 2033 196,592 2034 170,384 2035 170,384 2036 170,384 2037 170,384 2038 362,072 2039 170,384 2040 170,384 2040 170,384 2040 170,384 2041 170,384 2040 170,384 2041 170,384 2042 170,384 2040 170,384 2041 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2049 170,384 2049 170,384 2040 170,384 2041 170,384 2041 170,384 2042 170,384 2043 196,592	0.22917419	47,619	7,075,250	0.22917419	1,621,465
2016         170,384           2017         170,384           2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288 <td>0.204619813</td> <td>34,864</td> <td>9,487,251</td> <td>0.204619813</td> <td>1,941,280</td>	0.204619813	34,864	9,487,251	0.204619813	1,941,280
2017         170,384           2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384 <td>0,182696261</td> <td>31,129</td> <td>12,317,324</td> <td>0.182696261</td> <td>2,250,329</td>	0,182696261	31,129	12,317,324	0.182696261	2,250,329
2018         179,288           2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384 <td>0.163121662</td> <td>27,793</td> <td>12,556,505</td> <td>0.163121662</td> <td>2,048,238</td>	0.163121662	27,793	12,556,505	0.163121662	2,048,238
2019         170,384           2020         170,384           2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         170,384           2049         170,384           2050         170,384 <td>0.145644341</td> <td>26,112</td> <td>12,556,505</td> <td>0.145644341</td> <td>1,828,784</td>	0.145644341	26,112	12,556,505	0.145644341	1,828,784
2020 170,384 2021 170,384 2022 170,384 2023 196,592 2024 170,384 2025 170,384 2026 170,384 2027 170,384 2028 179,288 2029 170,384 2030 170,384 2031 170,384 2031 170,384 2032 170,384 2033 196,592 2034 170,384 2035 170,384 2036 170,384 2037 170,384 2038 362,072 2039 170,384 2040 170,384 2040 170,384 2041 170,384 2040 170,384 2041 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2049 170,384 2049 170,384 2049 170,384 2049 170,384 2049 170,384 2040 170,384 2041 170,384 2045 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2050 170,384 2051 170,384 2051 170,384 2052 170,384 2053 196,592	0.13003959	22,157	12,556,505	0,13003959	1,632,843
2021         170,384           2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384 <td>0.116106777</td> <td>19,783</td> <td>12,556,505</td> <td>0.116106777</td> <td>1,457,895</td>	0.116106777	19,783	12,556,505	0.116106777	1,457,895
2022         170,384           2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384 <td>0.103666765</td> <td>17,663</td> <td>12,556,505</td> <td>0.103666765</td> <td>1,301,692</td>	0.103666765	17,663	12,556,505	0.103666765	1,301,692
2023         196,592           2024         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592 <td>0.092559612</td> <td>15,771</td> <td>12,556,505</td> <td>0.092559612</td> <td>1,162,225</td>	0.092559612	15,771	12,556,505	0.092559612	1,162,225
2024         170,384           2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.08264251	16,247	12,556,505	0.08264251	1,037,701
2025         170,384           2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592		12,572	12,556,505	0.0737880	926,519
2026         170,384           2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.0737880	11,225	12,556,505	0.065882103	827,249
2027         170,384           2028         179,288           2029         170,384           2030         170,384           2031         170,384           2032         170,384           2033         196,592           2034         170,384           2035         170,384           2036         170,384           2037         170,384           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.065882103			0.058823307	738,615
2028 179,288 2029 170,384 2030 170,384 2031 170,384 2032 170,384 2033 196,592 2034 170,384 2035 170,384 2036 170,384 2037 170,384 2038 362,072 2039 170,384 2040 170,384 2041 170,384 2042 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2048 179,288 2049 170,384 2050 170,384 2050 170,384 2051 170,384 2051 170,384 2052 170,384 2053 196,592	0.058823307	10,023	12,556,505	0.052520809	659,478
2029 170,384 2030 170,384 2031 170,384 2032 170,384 2033 196,592 2034 170,384 2035 170,384 2036 170,384 2037 170,384 2038 362,072 2039 170,384 2040 170,384 2041 170,384 2042 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2050 170,384 2050 170,384 2051 170,384 2051 170,384 2052 170,384 2052 170,384 2053 196,592	0.052520809	8,949	12,556,505		588,819
2030 170,384 2031 170,384 2032 170,384 2033 196,592 2034 170,384 2035 170,384 2036 170,384 2037 170,384 2039 170,384 2040 170,384 2041 170,384 2042 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2049 170,384 2050 170,384 2050 170,384 2051 170,384 2051 170,384 2052 170,384 2053 196,592	0.04689358	8,407	12,556,505	0.04689358	525,732
2031 170,384 2032 170,384 2033 196,592 2034 170,384 2035 170,384 2036 170,384 2037 170,384 2038 362,072 2039 170,384 2040 170,384 2041 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2049 170,384 2050 170,384 2050 170,384 2051 170,384 2051 170,384 2052 170,384 2052 170,384	0.041869268	7,134	12,556,505	0.041869268	469,403
2032 170,384 2033 196,592 2034 170,384 2035 170,384 2036 170,384 2037 170,384 2038 362,072 2039 170,384 2040 170,384 2041 170,384 2042 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2050 170,384 2050 170,384 2051 170,384 2051 170,384 2052 170,384 2052 170,384 2053 196,592	0.037383275	6,370	12,556,505	0.037383275	,
2033 196,592 2034 170,384 2035 170,384 2036 170,384 2037 170,384 2038 362,072 2039 170,384 2040 170,384 2041 170,384 2042 170,384 2043 196,592 2044 170,384 2045 170,384 2046 170,384 2047 170,384 2048 179,288 2049 170,384 2050 170,384 2051 170,384 2051 170,384 2052 170,384 2052 170,384 2053 196,592	0.033377924	5,687	12,556,505	0.033377924	419,110
2034         170,384           2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.029801718	5,078	12,556,505	0.029801718	374,205
2035         170,384           2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.026608677	5,231	12,556,505	0.026608677	334,112
2036         170,384           2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.023757747		12,556,505	0.023757747	298,314
2037         170,384           2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.021212274		12,556,505	0.021212274	266,352
2038         362,072           2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.01893953	3,227	12,556,505	0.01893953	237,814
2039         170,384           2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.016910295		12,556,505	0.016910295	212,334
2040         170,384           2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.015098478		12,556,505	0.015098478	189,584
2041         170,384           2042         170,384           2043         196,592           2044         170,384           2045         170,384           2046         170,384           2047         170,384           2048         179,288           2049         170,384           2050         170,384           2051         170,384           2052         170,384           2053         196,592	0.013480784		12,556,505	0.013480784	169,272
2042     170,384       2043     196,592       2044     170,384       2045     170,384       2046     170,384       2047     170,384       2048     179,288       2049     170,384       2050     170,384       2051     170,384       2052     170,384       2053     196,592	0.012036414		12,556,505	0.012036414	151,135
2043     196,592       2044     170,384       2045     170,384       2046     170,384       2047     170,384       2048     179,288       2049     170,384       2050     170,384       2051     170,384       2052     170,384       2053     196,592	0.010746798		12,556,505	0.010746798	134,942
2044     170,384       2045     170,384       2046     170,384       2047     170,384       2048     179,288       2049     170,384       2050     170,384       2051     170,384       2052     170,384       2053     196,592	0.009595356		12,556,505		120,484
2045     170,384       2046     170,384       2047     170,384       2048     179,288       2049     170,384       2050     170,384       2051     170,384       2052     170,384       2053     196,592	0.008567282		12,556,505		107,575
2046     170,384       2047     170,384       2048     179,288       2049     170,384       2050     170,384       2051     170,384       2052     170,384       2053     196,592	0.007649359	•	12,556,505	0.007649359	96,049
2047     170,384       2048     179,288       2049     170,384       2050     170,384       2051     170,384       2052     170,384       2053     196,592	0.006829785		12,556,505	0.006829785	85,758
2048     179,288       2049     170,384       2050     170,384       2051     170,384       2052     170,384       2053     196,592	0.0060980	1,039	12,556,505	0.0060980	76,570
2049     170,384       2050     170,384       2051     170,384       2052     170,384       2053     196,592	0.005444662		12,556,505	0.005444662	68,366
2050 170,384 2051 170,384 2052 170,384 2053 196,592	0.004861306		12,556,505	0.004861306	61,041
2051 170,384 2052 170,384 2053 196,592	0.004340452	2 740	12,556,505	0.004340452	54,501
2051 170,384 2052 170,384 2053 196,592	0.003875403		12,556,505		48,662
2052 170,384 2053 196,592	0.003460181		12,556,505	0.003460181	43,448
2053 196,592	0.003089448	526	12,556,505	0.003089448	38,793
	0.002758435	5 542	12,556,505	0.002758435	34,636
20J4 X70-204	0.002462889	9 420	12,556,505	0.002462889	30,925
2055 170,384	0.002199008	and the second s	12,556,505	0.002199008	27,612
2056 170,384	0.0019634		12,556,505		24,653
2057 170,384	0.001753036		12,556,505		22,012
2058 179,288	0.00175555		12,556,505		19,654
2059 179,288	0.00130321		12,556,505		17,548
2060 170,384	0.00139730		12,556,505		15,668
2060 170,384	0.001247774		12,556,505		13,989

19,707,553

26,380,318

Net Present Value at 12%: Benefit-Cost Ratio at 12%: 6,672,766 1.34

Table 13-59 Economic Internal Rate of Return (Plan A-1)

Year	Incremental Benefit	D.F. (14%)	Present Worth	D.F. (15%)	Present Worth
2002	-93,840	0.877192982	-82,316	0.869565217	-81,600
2002	-93, <del>040</del> -686,280	0.769467528	-528,070	0.756143667	-518,926
2003	-1,487,080	0.674971516	-1,003,737	0.657516232	-977,779
	-3,680,660		-2,179,246		
2005		0.592080277	-2,179,246	0.571753246	-2,104,429
2006	-4,784,520 5,730,130	0.519368664		0.497176735	-2,378,752
2007	-5,720,120	0.455586548	-2,606,010	0.432327596	-2,472,960
2008	-5,535,120	0.399637323	2,212,041	0.37593704	-2,080,851
2009	-4,477,749	0.350559055	1,569,715	0.326901774	-1,463,784
2010	-4,958,812	0.307507943	-1,524,874	0.284262412	-1,409,604
2011	-6,270,259	0.26974381	-1,691,364	0.247184706	-1,549,912
2012	-5,510,239	0.236617377	-1,303,818	0.214943223	-1,184,389
2013	-3,342,049	0.207559102	-693,673	0.18690715	-624,653
2014	4,812,843	0.182069388	876,271	0.162527957	782,222
2015	9,741,524	0.15970999	1,555,819	0.141328658	1,376,757
2016	13,901,577	0.140096482	1,947,562	0.122894485	1,708,427
2017	14,388,429	0.122891651	1,768,218	0.10686477	1,537,616
2018	14,379,525	0.107799694	1,550,108	0.092925887	1,336,230
2019	14,388,429	0.094561135	1,360,586	0.080805119	1,162,659
2020	14,388,429	0.082948364	1,193,497	0.070265321	1,011,008
2021	14,388,429	0.072761723	1,046,927	0.061100279	879,137
2022	14,388,429	0.063826073	918,357	0.053130677	764,467
2023	14,362,221	0.055987783	804,109	0.046200589	663,543
2024	14,388,429	0.04911209	706,646	0.040174425	578,047
2025	14,388,429	0.043080781	619,865	0.034934283	502,649
2026	14,388,429	0.037790159	543,741	0.030377637	437,086
2027	14,388,429	0.033149262	476,966	0.026415337	380,075
2028	14,379,525	0.0290783	418,132	0.022969858	330,296
2029	14,388,429	0.025507281	367,010	0.01997379	287,391
2030	14,388,429	0.022374808	321,938	0.017368513	249,906
2031	14,388,429	0.019627024	282,402	0.015103054	217,309
2032	14,388,429	0.017216688	247,721	0.013133091	188,965
2033	14,362,221	0.015102358	216,903	0.011420079	164,018
2034	14,388,429	0.013247682	190,613	0.009930503	142,884
2035	14,388,429	0.011620774	167,205	0.00863522	124,247
2036	14,388,429	0.010193661	146,671	0.007508887	108,041
2037	14,388,429	0.008941808	128,659	0.006529467	93,949
2038	14,196,741	0.007843691	111,355	0.005677798	80,606
2039	14,388,429	0.006880431	98,999	0.004937215	71,039
2040	14,388,429	0.006035466	86,841	0.004293231	61,773
2041	14,388,429	0.005294268	76,176	0.003733244	53,716
2042	14,388,429	0.004644095	66,821	0.003246299	46,709
2043	14,362,221	0.004073768	58,508	0.002822869	40,543
2044	14,388,429	0.00357348	51,417	0.002454669	35.319
2045	14,388,429	0.003134632	45,102	0.002134494	30.712
2046	14,388,429	0.002749677	39,564	0.001856082	26,706
2047	14,388,429	0.002411997	34,705	0.001613984	23,223
2048	14,379,525	0.002115787	30,424	0.001403465	20,181
2049	14,388,429	0.001855954	26,704	0.001220404	17,560
2050	14,388,429	0.00162803	23,425	0.001061221	15,269
2051	14,388,429	0.001428096	20,548	0.000922801	13,278
2052	14,388,429	0.001252716	18,025	0.000802436	11,546
2053	14,362,221	0.001098874	15,782	0.00069777	10,022
2054	14,388,429	0.000963924	13,869	0.000606757	8,730
2055	14,388,429	0.000905924	12,166	0.000527614	7,592
2056	14,388,429		10,672	0.000327014	6,601
2057	14,388,429		9,361	0.000398952	5,740
			9,301 8,207	0.000346915	4,988
2058	14,379,525	0.000570721		0.000346913	
2059	14,388,429	0.000500632	7,203		4,340
2060	14,388,429	0.000439151	6,319	0.000262318	3,774
2061	14,388,429	0.00038522	5,543	0.000228102	3,282

Tota

853,868

-1,217,473

Economic Internal Rate of Return:

14.38%

Table 13-60 Economic Internal Rate of Return (Plan A-2)

Year	Incremental	D.F.	Present	D.F.	Present
1 car	Benefit	D.F. (14%)	Worth	(15%)	Worth
2002	-93,840	0.877192982	-82,316	0.869565217	-81,600
2003	-686,280	0.769467528	-528,070	0.756143667	-518,926
2004	-1,487,080	0.674971516	-1,003,737	0.657516232	-977,779
2005	-3,680,660	0.592080277	-2,179,246	0.571753246	-2,104,429
2006	-4,784,520	0.519368664	-2,484,930	0.497176735	-2,378,752
2007	-5,720,120	0.455586548	-2,606,010	0.432327596	-2,472,966
2008	-5,535,120	0.399637323	-2,212,041	0.37593704	-2,080,857
2009	-4,477,749	0.350559055	-1,569,715	0.326901774	-1,463,784
2010	-4,958,812	0,307507943	-1,524,874	0.284262412	-1,409,604
2011	-6,270,259	0.26974381	-1,691,364	0.247184706	-1,549,912
2012	-5,510,239	0.236617377	-1,303,818	0.214943223	-1,184,389
2013	-3,342,049	0.207559102	-693,673	0.18690715	-624,653
2014	4,722,590	0.182069388	859,839	0.162527957	767,553
2015	9,749,570	0.15970999	1,557,104	0.141328658	1,377,894
2016	13,270,891	0.140096482	1,859,205	0.122894485	1,630,919
2017	13,774,205	0.122891651	1,692,735	0.10686477	1,471,977
			1,483,895	0.092925887	1,279,153
2018	13,765,301	0.107799694		0.080805119	1,113,026
2019	13,774,205	0.094561135	1,302,504		
2020	13,774,205	0.082948364	1,142,548	0.070265321	967,849
2021	13,774,205	0.072761723	1,002,235	0.061100279	841,608
2022	13,774,205	0.063826073	879,153	0.053130677	731,833
2023	13,747,997	0.055987783	769,720	0.046200589	635,166
2024	13,774,205	0.04911209	676,480	0.040174425	553,371
2025	13,774,205	0.043080781	593,404	0.034934283	481,192
2026	13,774,205	0.037790159	520,529	0.030377637	418,428
2027	13,774,205	0.033149262	456,605	0.026415337	363,850
2028	13,765,301	0.0290783	400,272	0.022969858	316,187
2029	13,774,205	0.025507281	351,343	0.01997379	275,123
2030	13,774,205	0.022374808	308,195	0.017368513	239,237
2031	13,774,205	0.019627024	270,347	0.015103054	208,033
2032	13,774,205	0.017216688	237,146	0.013133091	180,898
2033	13,747,997	0.015102358	207,627	0.011420079	157,003
2034	13,774,205	0.013247682	182,476	0.009930503	136,785
2035	13,774,205	0.011620774	160,067	0.00863522	118,943
2036	13,774,205	0.010193661	140,410	0.007508887	103,429
2037	13,774,205	0.008941808	123,166	0.006529467	89,938
2038	13,582,517	0.007843691	106,537	0.005677798	77,119
2039	13,774,205	0.006880431	94,772	0.004937215	68,006
2040	13,774,205	0.006035466	83,134	0.004293231	59,136
2041	13,774,205	0.005294268	72,924	0.003733244	51,422
2042	13,774,205	0.004644095	63,969	0.003246299	44,715
2043	13,747,997	0.004073768	56,006	0.002822869	38,809
2044	13,774,205	0.00357348	49,222	0.002454669	33,811
2045	13,774,205	0.003134632	43,177	0.002134494	29,401
2046	13,774,205	0.002749677	37,875	0.001856082	25,566
2047	13,774,205	0.002411997	33,223	0.001613984	22,231
2048	13,765,301	0.002115787	29,124	0.001403465	19,319
2049	13,774,205	0.001855954	25,564	0.001220404	16,810
2050	13,774,205	0.00162803	22,425	0.001061221	14,617
2051	13,774,205	0.001428096	19,671	0.000922801	12,711
2052	13,774,205	0.001428090	17,255	0.000802436	11,053
2052	13,747,997	0.001232710	15,107		9,593
2053	13,774,205	0.001098874	· <del>-</del>	0.000606757	
			13,277	and the second s	7,267
2055	13,774,205	0.000845548	11,647	0.000527614	
2056	13,774,205	0.000741708	10,216	0.000458795	6,320
2057	13,774,205	0.000650621	8,962	0.000398952	5,495
2058	13,765,301	0.000570721	7,856	0.000346915	4,775
2059	13,774,205	0.000500632	6,896	0.000301665	4,155
2060	13,774,205	0.000439151	6,049	0.000262318	3,613
2061	13,774,205	0.00038522	5,306	0.000228102	3,142

Total 137,407 -1,810,810

Economic Internal Rate of Return:

14.06%

Table 13-61 Economic Internal Rate of Return (Plan A-3)

Year	Incremental	D.F.	Present	D.F.	Present
	Benefit	(13%)	Worth	(14%)	Worth
2002	-93,840	0.884955752	-83,044	0.877192982	-82,316
2003	-686,280	0.783146683	-537,458	0.769467528	-528,070
2004	-1,487,080	0.693050162	-1,030,621	0.674971516	-1,003,737
2005	-3,680,660	0.613318728	-2,257,418	0.592080277	-2,179,240
2006	-4,784,520	0.542759936	-2,596,846	0.519368664	-2,484,930
2007	-5,720,120	0.480318527	-2,747,480	0.455586548	-2,606,010
2008	-5,535,120	0.425060644	-2,352,762	0.399637323	-2,212,04
2009	-4,477,749	0.376159862	-1,684,349	0.350559055	-1,569,715
2010	-4,958,812	0.332884833	-1,650,713	0.307507943	-1,524,874
2011	-6,270,259	0.294588348	-1,847,145	0.26974381	-1,691,36
2012	-5,510,239	0.260697653	-1,436,506	0.236617377	-1,303,81
2013	-3,342,049	0.230705888	-771,030	0.207559102	-693,673
2014	4,646,250	0.204164502	948,599	0.182069388	845,940
2015	9,760,631	0.180676551	1,763,517	0.15970999	1,558,870
2016	12,710,460	0.159890753	2,032,285	0.140096482	1,780,691
2017	13,228,437	0.141496242	1,871,774	0.122891651	1,625,664
2018	13,219,533	0.125217913	1,655,322	0.107799694	1,425,062
2019	13,228,437	0.110812312	1,465,874	0.094561135	1,250,896
2020	13,228,437	0.098063993	1,297,233	0.082948364	1,097,277
2021	13,228,437	0.086782295	1,147,994	0.072761723	962,524
2022	13,228,437	0.076798491	1,015,924	0.063826073	844,319
2023	13,202,229	0.067963266	897,267	0.055987783	739,164
2024	13,228,437	0.060144484	795,618	0.04911209	649,676
2025	13,228,437	0.053225207	704,086	0.043080781	569,891
2026	13,228,437	0.047101953	623,085	0.037790159	499,905
2027	13,228,437	0.041683144	551,403	0.033149262	438,513
2028	13,219,533	0.036887738	487,639	0.0290783	384,402
2029	13,228,437	0.032644016	431,829	0.025507281	337,421
2030	13,228,437	0.02888851	382,150	0.022374808	295,984
2031	13,228,437	0.025565053	338,186	0.019627024	259,635
2032	13,228,437	0.022623941	299,279	0.017216688	227,750
2033	13,202,229	0.020021186	264,324	0.015102358	199,385
2034	13,228,437	0.017717864	234,380	0.013247682	175,246
2035	13,228,437	0.015679526	207,416	0.011620774	153,725
2036	13,228,437	0.013875686	183,554	0.010193661	134,846
2037	13,228,437	0.012279369	162,437	0.008941808	118,286
2038	13,036,749	0.010866698	141,666	0.007843691	102,256
2039		0.009616547	127,212	0.006880431	91,017
2040	13,228,437	0.008510218	112,577	0.006035466	79,840
2041	13,228,437	0.007531167	99,626	0.005294268	70,035
2042	13,228,437	0.006664749	88,164	0.004644095	61,434
2043	13,202,229	0.005898008	77,867	0.004073768	53,783
2044	13,228,437	0.005219476	69,046	0.00357348	47,272
2045	13,228,437	0.004619006	61,102	0.003134632	41,466
2046	13,228,437	0.004087616	54,073	0.002749677	36,374
2047	13,228,437	0.003617359	47,852	0.002411997	31,907
2048	13,219,533	0.003201203	42,318	0.002115787	27,970
2049	13,228,437	0.002832923	37,475	0.001855954	24,551
2050	13,228,437	0.002507011	33,164	0.00162803	21,536
2051		0.002218594	29,349	0.001428096	18,891
2052	13,228,437	0.001963357	25,972	0.001252716	16,571
2053		0.001737484	22,939	0.001098874	14,508
2054	13,228,437	0.001537597	20,340	0.000963924	12,751
2055	13,228,437	0.001360705	18,000	0.000845548	11,185
2056	13,228,437	and the second second	15,929	0.000741708	9,812
2057	13,228,437	0.001065632	14,097	0.000650621	8,607
2058	13,219,533		12,467	0.000570721	7,545
2059	13,228,437	0.000834546	11,040	0.000500632	6,623
2060	13,228,437	0.000738536	9,770	0.000439151	5,809
2061	13,228,437	0.000653572	8,646	0.00038522	5,096

1,946,490

497,882

Table 13-62 Economic Internal Rate of Return (Plan B-1)

Year	Incremental Benefit	D.F. (15%)	Present Worth	D.F. (16%)	Present Worth
2000	<del></del>				
2002	-93,840	0.869565217	-81,600	0.862068966	-80,897
2003	-686,280	0.756143667	-518,926	0.743162901	-510,018
2004	-1,487,080	0.657516232	-977,779	0,640657674	-952,709
2005	-3,680,660	0.571753246	-2,104,429	0.552291098	-2,032,796
2006	-4,784,520	0.497176735	-2,378,752	0.476113015	-2,277,972
2007	-5,720,120	0.432327596	-2,472,966	0.410442255	-2,347,779
2008	-5,535,120	0.37593704	-2,080,857	0.35382953	-1,958,489
2009	-3,758,849	0.326901774	-1,228,774	0.305025457	-1,146,545
2010	-4,239,912	0.284262412	-1,205,248	0.26295298	-1,114,897
2011	-4,086,259	0.247184706	-1,010,061	0,226683603	-926,288
2012	-3,326,239	0.214943223	-714,953	0.1954169	-650,003
2013	-1,158,049	0.18690715	-216,448	0.168462844	-195,088
2014	6,952,758	0.162527957	1,130,018	0.14522659	1,009,725
2015	9,192,636	0.141328658	1,299,183	0.125195336	1,150,875
2016	13,209,132	0.122894485	1,623,329	0.107927014	1,425,622
2017	13,417,188	0.10686477	1,433,825	0.093040529	1,248,342
2018	13,408,284	0.092925887	1,245,977	0.080207353	1,075,443
2019	13,417,188	0.080805119	1,084,177	0.06914427	927,722
2020	13,417,188	0.070265321	942,763	0.059607129	799,760
2021	13,417,188	0.061100279	819,794	0.051385456	689,448
2022	13,417,188	0.053130677	712,864	0.044297807	594,352
2023	13,390,980	0.046200589	618,671	0.038187765	511,372
2024	13,417,188	0.040174425	539,028	0.032920487	441,700
2025	13,417,188	0.034934283	468,720	0.02837973	380,776
2026	13,417,188	0.030377637	407,582	0.024465284	328,255
2020	13,417,188	0.026415337	354,420	0.021090762	282,979
2027	13,417,188	0.022969858	307,986	0.018181692	243,785
	13,400,264	0.01997379	267,992	0.015673872	210,299
2029 2030	13,417,188	0.017368513	233,037	0.013511959	181,292
			202,641	0.013511939	156,287
2031	13,417,188	0.015103054 0.013133091	176,209	0.01104824	134,730
2032	13,417,188 13,390,980	0.013133091	152,926	0.00865654	115,920
2033			133,239	0.007462535	100,126
2034	13,417,188	0.009930503 0.00863522	115,860	0.006433219	86,316
2035	13,417,188		100,748	0.005545879	74,410
2036	13,417,188	0.007508887	87,607	0.003343879	64,147
2037	13,417,188	0.006529467		0.00473093	54,509
2038	13,225,500	0.005677798	75,092	0.004121431	47,671
2039	13,417,188	0.004937215	66,244	0.00306294	41,096
2040	13,417,188	0.004293231	57,603 50,090		
2041	13,417,188	0.003733244		0.002640465	35,428
2042	13,417,188	0.003246299	43,556	0.002276263	30,541
2043	13,390,980	0.002822869	37,801	0.001962296	26,277
2044	13,417,188	0.002454669	32,935	0.001691634	22,697
2045	13,417,188	0.002134494	28,639	0.001458305	19,566
2046	13,417,188	0.001856082	24,903	0.00125716	16,868
2047	13,417,188	0.001613984	21,655	0.001083758	14,541
2048	13,408,284		18,818	0.000934275	12,527
2049	13,417,188		16,374	0.000805409	10,806
2050	13,417,188	0.001061221	14,239	0.000694318	9,316
2051	13,417,188	The second secon	12,381	0.00059855	8,031
2052	13,417,188		10,766	0.000515992	6,923
2053	13,390,980		9,344	0.00044482	5,957
2054	13,417,188	and the second second	8,141	0.000383466	5,145
2055	13,417,188		7,079	0.000330574	4,435
2056	13,417,188	0.000458795	6,156	0.000284978	3,824
2057	13,417,188		5,353	0.00024567	3,296
2058	13,408,284		4,652	0.000211785	2,840
2059	13,417,188		4,047	0.000182573	2,450
2060	13,417,188	and the second s	3,520	0.000157391	2,112
2061	13,417,188		3,060	0.000135682	1,820

Total 30,252 -1,571,122

Economic Internal Rate of Return:

15.02%

Table 13-63 Economic Internal Rate of Return (Plan B-2)

Year	Incremental	D.F.	Present	D.F.	Present
	Benefit	(14%)	Worth	(15%)	Worth
2002	-93,840	0.877192982	-82,316	0.869565217	-81,600
2003	-686,280	0.769467528	-528,070	0.756143667	-518,926
2004	-1,487,080	0,674971516	-1,003,737	0.657516232	-977,779
2005	-3,680,660	0.592080277	-2,179,246	0.571753246	-2,104,429
2006	-4,784,520	0.519368664	-2,484,930	0.497176735	-2,378,752
2007	-5,720,120	0.455586548	-2,606,010	0.432327596	-2,472,966
2008	-5,535,120	0.399637323	-2,212,041	0.37593704	-2,080,857
2009	-3,758,849	0.350559055	-1,317,699	0.326901774	-1,228,774
2010	-4,239,912	0.307507943	-1,303,807	0.284262412	-1,205,248
2011	-4.086,259	0.26974381	-1,102,243	0.247184706	-1,010,061
2012	-3,326,239	0.236617377	-787,046	0.214943223	-714,953
2013	-1,158,049	0.207559102	-240,364	0.18690715	-216,448
2014	6,905,492	0.182069388	1,257,279	0.162527957	1,122,336
2015	9,256,260	0.15970999	1,478,317	0.141328658	1,308,175
2016	12,645,983	0.140096482	1,771,658	0.122894485	1,554,122
2017	12,871,131	0.122891651	1,581,755	0.10686477	1,375,470
2018	12,862,227	0.107799694	1,386,544	0.092925887	1,195,234
2019	12,871,131	0.094561135	1,217,109	0.080805119	1,040,053
2020	12,871,131	0.082948364	1,067,639	0.070265321	904,394
2021	12,871,131	0.072761723	936,526	0.061100279	786,430
2022	12,871,131	0.063826073	821,514	0.053130677	683,852
2023	12,844,923	0.055987783	719,159	0.046200589	593,443
2024	12,871,131	0.04911209	632,128	0.040174425	517,090
2025	12,871,131	0.043080781	554,498	0.034934283	449,644
2026	12,871,131	0.037790159	486,402	0.030377637	390,995
2027	12,871,131	0.033149262	426,668	0.026415337	339,995
2028	12,862,227	0.0290783	374,012	0.022969858	295,444
2029	12,871,131	0.025507281	328,308	0.01997379	257,085
2030	12,871,131	0.022374808	287,989	0.017368513	223,552
2031	12,871,131	0.019627024	252,622	0.015103054	194,393
2032	12,871,131	0.017216688	221,598	0.013133091	169,038
2033	12,844,923	0.015102358	193,989	0.011420079	146,690
2034	12,871,131	0.013247682	170,513	0.009930503	127,817
2035	12,871,131	0.011620774	149,573	0.00863522	111,145
2036	12,871,131	0.010193661	131,204	0.007508887	96,648
2037	12,871,131	0.008941808	115,091	0.006529467	84,042
2038	12,679,443	0.007843691	99,454	0.005677798	71,991
2039	12,871,131	0.006880431	88,559	0.004937215	63,548
2040	12,871,131	0.006035466	77,683	0.004293231	55,259
2041	12,871,131	0.005294268	68,143	0.003733244	48,051
2042	12,871,131	0.004644095	59,775	0.003246299	41,784
2043	12,844,923	0.004073768	52,327	0.002822869	36,260
2044	12,871,131	0.00357348	45,995	0.002454669	31,594
2045	12,871,131	0.003134632	40,346	0.002134494	27,473
2046	12,871,131	0.002749677	35,391	0.001856082	23,890
2047	12,871,131	0.002411997	31,045	0.001613984	20,774
2048	12,862,227	0.002115787	27,214	0.001403465	18,052
2049	12,871,131	0.001855954	23,888	0.001220404	15,708
2050	12,871,131	0.00162803	20,955	0.001061221	13,659
2051	12,871,131	0.001428096	18,381	0.000922801	11,877
2052	12,871,131	0.001252716	16,124	0.000802436	10,328
2053	12,844,923	0.001098874	14,115	0.00069777	8,963
2054	12,871,131	0.000963924	12,407	0.000606757	7,810
2055	12,871,131	0.000845548	10,883	0.000527614	6,791
2056	12,871,131	. 0.000741708	9,547	0.000458795	5,905
2057	12,871,131	- 0.000650621	8,374	0.000398952	5,135
2058	12,862,227	0.000570721	7,341	0.000346915	4,462
2059	12,871,131	0.000500632	6,444	0.000301665	3,883
2060	12,871,131	0.000439151	5,652	0.000262318	3,376
	12,871,131	0.00038522	4,958	0.000228102	2,936

1,499,587

484,198

Economic Internal Rate of Return:

14.73%

Table 13-64 Economic Internal Rate of Return (Plan B-3)

Year	Incremental Benefit	D.F. (14%)	Present Worth	D.F. (15%)	Present Worth
2002	······································			0.869565217	-81,600
2002	-93,840	0.877192982	-82,316		
2003	-686,280	0.769467528	-528,070	0.756143667	-518,926
2004	-1,487,080	0.674971516	-1,003,737	0.657516232	-977,779
2005	-3,680,660	0.592080277	-2,179,246	0.571753246	-2,104,429
2006	-4,784,520	0.519368664	-2,484,930	0.497176735	-2,378,752
2007	-5,720,120	0.455586548	-2,606,010	0.432327596	-2,472,960
2008	-5,535,120	0.399637323	-2,212,041	0.37593704	-2,080,851
2009	-3,758,849	0.350559055	-1,317,699	0.326901774	-1,228,774
2010	-4,239,912	0.307507943	-1,303,807	0.284262412	-1,205,24
2011	-4,086,259	0.26974381	-1,102,243	0.247184706	-1,010,06
2012	-3,326,239	0.236617377	-787,046	0.214943223	-714,953
2013	-1,158,049	0.207559102	-240,364	0.18690715	-216,448
2014	6,867,466	0.182069388	1,250,355	0.162527957	1,116,155
2015	9,316,867	0.15970999	1,487,997	0.141328658	1,316,740
2016	12,146,940	0.140096482	1,701,744	0.122894485	1,492,792
2017	12,386,121	0.122891651	1,522,151	0.10686477	1,323,640
2018	12,377,217	0.107799694	1,334,260	0.092925887	1,150,164
2019	12,386,121	0.094561135	1,171,246	0.080805119	1,000,862
2020	12,386,121	0.082948364	1,027,408	0.070265321	870,315
2021	12,386,121	0.072761723	901,236	0.061100279	756,795
2022	12,386,121	0.063826073	790,557	0.051130677	658,083
2022	12,350,121	0.055987783	692,004	0.046200589	571,035
2023	12,335,513	0.04911209	608,308	0.040174425	497,605
		and the second s	533,604	0.034934283	432,700
2025	12,386,121	0.043080781	•		-
2026	12,386,121	0.037790159	468,073	0.030377637	376,261
2027	12,386,121	0.033149262	410,591	0.026415337	327,184
2028	12,377,217	0.0290783	359,908	0.022969858	284,303
2029	12,386,121	0.025507281	315,936	0.01997379	247,398
2030	12,386,121	0.022374808	277,137	0.017368513	215,128
2031	12,386,121	0.019627024	243,103	0.015103054	187,068
2032	12,386,121	0.017216688	213,248	0.013133091	162,668
2033	12,359,913	0.015102358	186,664	0.011420079	141,151
2034	12,386,121	0.013247682	164,087	0.009930503	123,000
2035	12,386,121	0.011620774	143,936	0.00863522	106,957
2036	12,386,121	0.010193661	126,260	0.007508887	93,006
2037	12,386,121	0.008941808	110,754	0.006529467	80,875
2038	12,194,433	0.007843691	95,649	0.005677798	69,238
2039	12,386,121	0.006880431	85,222	0.004937215	61,153
2040	12,386,121	0.006035466	74,756	0.004293231	53,176
2041	12,386,121	0.005294268	65,575	0.003733244	46,240
2042	12,386,121	0.004644095	57,522	0.003246299	40,209
2043	12,359,913	0.004073768	50,351	0.002822869	34,890
2044	12,386,121	0.00357348	44,262	0.002454669	30,404
2045	12,386,121	0.003134632	38,826	0.002134494	26,438
2046	12,386,121	0.002749677	34,058	0.001856082	22,990
2047	12,386,121	0.002411997	29,875	0.001613984	19,991
2048	12,377,217	0.002115787	26,188	0.001403465	17,371
2049	12,386,121	0.001855954	22,988	0.001220404	15,116
2050	12,386,121	0.00162803	20,165	0.001061221	13,144
2051	12,386,121	0.001428096	17,689	0.000922801	11,430
2052	12,386,121	0.001252716	15,516	0.000802436	9,939
2053	12,359,913	0.001098874	13,582	0.00069777	8,624
2054	12,386,121	0.000963924	11,939	0.000606757	7,515
2055	12,386,121	0.000845548	10,473	0.000527614	6,535
2056	12,386,121	0.000741708	9,187	0.000327014	5,683
2057	12,386,121	0.000650621	8,059	0.000398952	4,941
2057	12,377,217	0.000570721	7,064	0.000346915	4,294
		and the second s		the second second second	
2059	12,386,121	0.000500632	6,201	0.000301665	3,736
2060	12,386,121	0.000439151	5,439	0.000262318	3,249
2061	12,386,121	0.00038522	4,771	0.000228102	2,825

948,420

939,772

Economic Internal Rate of Return:

14.47%

Table 13-65 Sensitivity Analysis (Plan A-1)

Year	Base Case	Cost +10%	Benefit -10%	Combination
2002	-93,840	-103,224		
2002	-686,280	-754,908	-93,840 -686,280	-103,224 -754,908
2003	-1,487,080	-1,635,788	-1,487,080	
2005	-3,680,660	-4,048,726	-3,680,660	-1,635,788 -4,048,726
2005	-4,784,520	-5,262,972	-4,784,520	-5,262,972
2007	-5,720,120	-6,292,132	-5,720,120	-6,292,132
2007	-5,535,120	-6,088,632	-5,535,120	-6,088,632
2009	-4,477,749	-5,001,856	-4,554,082	-5,078,189
2010	-4,958,812	-5,546,445	-5,050,564	-5,638,198
2011	-6,270,259	-7,004,402	-6,377,377	-7,111,520
2012	-5,510,239	-6,168,380	-5,617,357	-6,275,49
2012	-3,342,049	-3,783,371	-3,449,167	-3,890,489
2013				
	4,812,843	4,624,625	4,143,340	3,955,123
2015	9,741,524	9,709,996	8,735,843	8,704,315
2016	13,901,577	13,870,049	12,479,891	12,448,363
2017	14,388,429	14,356,901	12,918,058	12,886,529
2018	14,379,525	14,347,106	12,909,154	12,876,733
2019	14,388,429	14,356,901	12,918,058	12,886,529
2020	14,388,429	14,356,901	12,918,058	12,886,52
2021	14,388,429	14,356,901	12,918,058	12,886,52
2022	14,388,429	14,356,901	12,918,058	12,886,529
2023	14,362,221	14,328,072	12,891,850	12,857,70
2024	14,388,429	14,356,901	12,918,058	12,886,52
2025	14,388,429	14,356,901	12,918,058	12,886,52
2026	14,388,429	14,356,901	12,918,058	12,886,52
2027	14,388,429	14,356,901	12,918,058	12,886,52
2028	14,379,525	14,347,106	12,909,154	12,876,73
2029	14,388,429	14,356,901	12,918,058	12,886,52
2030	14,388,429	14,356,901	12,918,058	12,886,52
2031	14,388,429	14,356,901	12,918,058	12,886,52
2032	14,388,429	14,356,901	12,918,058	12,886,52
2033	14,362,221	14,328,072	12,891,850	12,857,70
2034	14,388,429	14,356,901	12,918,058	12,886,52
2035	14,388,429	14,356,901	12,918,058	12,886,52
2036	14,388,429	14,356,901	12,918,058	12,886,52
2037 2038	14,388,429	14,356,901	12,918,058	12,886,52
2039	14,196,741	14,146,044	12,726,370	12,675,67
2040	14,388,429	14,356,901	12,918,058 12,918,058	12,886,52
2040	14,388,429 14,388,429	14,356,901		12,886,52
2042		14,356,901	12,918,058	12,886,52 12,886,52
2042	14,388,429 14,362,221	14,356,901 14,328,072	12,918,058 12,891,850	12,850,32
2043	14,388,429	14,326,901	12,091,050	12,886,52
2045	14,388,429	14,356,901	12,918,058	12,886,52
2046	14,388,429	14,356,901	12,918,058	12,886,52
2040	14,388,429	14,356,901	12,918,058	12,886,52
2048	14,379,525	14,347,106	12,909,154	12,876,73
2049	14,388,429	14,356,901	12,918,058	12,886,52
2049	14,388,429	14,356,901	12,918,058	
2051	14,388,429	14,356,901	12,918,058	12,886,52
2052	14,388,429	14,356,901	12,918,058	12,886,52
2052	14,362,221	14,328,072	12,818,038	12,857,70
2053				
2055	14,388,429 14,388,429	14,356,901 14,356,901	12,918,058 12,918,058	
	14,388,429			
2056		14,356,901	12,918,058	
2057	14,388,429 14,379,525	14,356,901	12,918,058	-
		14,347,106		
2058		1/ 256 001	1,11101110	10 002 50
2058 2059	14,388,429	14,356,901	12,918,058	
2058 2059 2060	14,388,429 14,388,429	14,356,901	12,918,058	12,886,52
2058 2059	14,388,429			12,886,52
2058 2059 2060	14,388,429 14,388,429	14,356,901	12,918,058 12,918,058	12,886,52 12,886,52

Table 13-66 Sensitivity Analysis (Plan A-2)

Year	Base Case	Cost +10%	Benefit -10%	Combination
2002	-93,840	-103,224	-93,840	-103,224
2003	-686,280	-754,908	-686,280	-754,908
2004	-1,487,080	-1,635,788	-1,487,080	-1,635,788
2005	-3,680,660	-4,048,726	-3,680,660	-4,048,726
2006	-4,784,520	-5,262,972	-4,784,520	-5,262,972
2007	-5,720,120	-6,292,132	-5,720,120	-6,292,132
2008	-5,535,120	-6,088,632	-5,535,120	-6,088,632
2009	-4,477,749	-5,001,856	-4,554,082	-5,078,189
2010	-4,958,812	-5,546,445	-5,050,564	-5,638,198
				-7,111,520
2011 .	-6,270,259 5 510 230	-7,004,402 4 149 390	-6,377,377 5,617,357	
2012	-5,510,239	-6,168,380	-5,617,357	-6,275,498 -3,890,489
2013	-3,342,049	-3,783,371	-3,449,167	
2014	4,722,590	4,534,372	4,062,113	3,873,894
2015	9,749,570	9,718,042	8,743,085	8,711,556
2016	13,270,891	13,239,363	11,912,274	11,880,745
2017	13,774,205	13,742,677	12,365,256	12,333,728
2018	13,765,301	13,732,882	12,356,352	12,323,933
2019	13,774,205	13,742,677	12,365,256	12,333,728
2020	13,774,205	13,742,677	12,365,256	12,333,728
2021	13,774,205	13,742,677	12,365,256	12,333,728
2022	13,774,205	13,742,677	12,365,256	12,333,728
2023	13,747,997	13,713,848	12,339,048	12,304,899
2024	13,774,205	13,742,677	12,365,256	12,333,728
2025	13,774,205	13,742,677	12,365,256	12,333,728
2026	13,774,205	13,742,677	12,365,256	12,333,728
2027	13,774,205	13,742,677	12,365,256	12,333,728
2028	13,765,301	13,732,882	12,356,352	12,323,933
2029	13,774,205	13,742,677	12,365,256	12,333,728
2030	13,774,205	13,742,677	12,365,256	12,333,728
2031	13,774,205	13,742,677	12,365,256	12,333,728
2032	13,774,205	13,742,677	12,365,256	12,333,728
2033	13,747,997	13,713,848	12,339,048	12,304,899
2034	13,774,205	13,742,677	12,365,256	12,333,728
2035	13,774,205	13,742,677	12,365,256	12,333,728
2036	13,774,205	13,742,677	12,365,256	12,333,728
2037	13,774,205	13,742,677	12,365,256	12,333,728
2038	13,582,517	13,531,820	12,173,568	12,122,871
2039	13,774,205	13,742,677	12,365,256	12,333,728
2040	13,774,205	13,742,677	12,365,256	12,333,728
2041	13,774,205	13,742,677	12,365,256	
2042	13,774,205	13,742,677		
2043	13,747,997	13,713,848	12,339,048	
2044	13,774,205	13,742,677		
2045	13,774,205	13,742,677		
2046	13,774,205	13,742,677		
2047	13,774,205	13,742,677		
2048	13,765,301	13,732,882		
2049	13,774,205			
2050	13,774,205	13,742,677		
2051	13,774,205	13,742,677		
2052	13,774,205	13,742,677		
2053	13,747,997	13,713,848		
2054	13,774,205	13,742,677		
2055	13,774,205	13,742,677		
		13,742,677		
2056	13,774,205			
2057	13,774,205	13,742,677		
2058	13,765,301	13,732,882		
2059	13,774,205	13,742,677		
2060	13,774,205 13,774,205	13,742,677		
2061		13,742,677	7 12,365,256	5 12,333,728

13.21%

13.13%

EIRR=

14.06%

Table 13-67 Sensitivity Analysis (Plan A-3)

Year	Base Case	Cost +10%	Benefit -10%	Combination
2002	-93,840	-103,224	-93,840	-103,224
2003	-686,280	-754,908	-686,280	-754,908
2004	-1,487,080	-1,635,788	-1,487,080	-1,635,788
2005	-3,680,660	-4,048,726	-3,680,660	-4,048,726
2006	-4,784,520	-5,262,972	-4,784,520	-5,262,972
2007	-5,720,120	-6,292,132	-5,720,120	-6,292,132
2008	-5,535,120	-6,088,632	-5,535,120	-6,088,632
2009	-4,477,749	-5,001,856	-4,554,082	-5,078,189
2010	-4,958,812	-5,546,445	-5,050,564	-5,638,198
2011	-6,270,259	-7,004,402	-6,377,377	-7,111,520
2012	-5,510,239	-6,168,380	-5,617,357	-6,275,498
2012	-3,342,049	-3,783,371	-3,449,167	-3,890,489
2013	4,646,250	4,458,032	3,993,407	3,805,188
2015	9,760,631	9,729,103	8,753,040	8,721,511
2015	12,710,460	12,678,932	11,407,886	11,376,357
	13,228,437	13,196,909	11,874,065	11,842,537
2017		13,187,114	11,865,161	11,832,742
2018	13,219,533	13,196,909	11,874,065	11,842,537
2019	13,228,437		11,874,065	11,842,537
2020	13,228,437	13,196,909		
2021	13,228,437	13,196,909	11,874,065	11,842,537
2022	13,228,437	13,196,909	11,874,065	11,842,537 11,813,708
2023	13,202,229	13,168,080	11,847,857	
2024	13,228,437	13,196,909	11,874,065	11,842,53
2025	13,228,437	13,196,909	11,874,065	11,842,53
2026	13,228,437	13,196,909	11,874,065	11,842,53′ 11,842,53′
2027	13,228,437	13,196,909	11,874,065	, ,
2028	13,219,533	13,187,114	11,865,161	11,832,742
2029	13,228,437	13,196,909	11,874,065	11,842,53
2030	13,228,437	13,196,909	11,874,065	11,842,53
2031	13,228,437	13,196,909	11,874,065	11,842,53
2032	13,228,437	13,196,909	11,874,065 11,847,857	11,842,53° 11,813,70°
2033	13,202,229	13,168,080		11,842,53
2034	13,228,437	13,196,909	11,874,065 11,874,065	11,842,53
2035	13,228,437	13,196,909	11,874,065	11,842,53
2036	13,228,437	13,196,909		11,842,53
2037	13,228,437	13,196,909 12,986,052		11,631,68
2038	13,036,749 13,228,437	13,196,909		
2039	13,228,437	13,196,909		
2040	13,228,437	13,196,909		
2041	13,228,437	13,196,909		
2042	13,202,229	13,168,080		
2043	13,228,437	13,196,909		
2044 2045		13,196,909		
	13,228,437 13,228,437	13,196,909		
2046		13,196,909		
2047	13,228,437	13,187,114		
2048	13,219,533 13,228,437	• •		
2049		13,196,909		
2050	13,228,437	13,196,909 13,196,909		
2051	13,228,437			
2052	13,228,437	13,196,909		
2053	13,202,229	13,168,080		
2054	13,228,437	and the second s		
2055	13,228,437	13,196,909		
2056	13,228,437			
2057	13,228,437			
2058	13,219,533			
2059	13,228,437			
2060	13,228,437			
2061	13,228,437	13,196,909	11,874,065	11,842,5
EIRR=	13.77%	12.93%	6 12.84%	6 12.04

Table 13-68 Sensitivity Analysis (Plan B-1)

Van-	Date Core	Cont. 1100/	Danafit 100	Combination
Year	Base Case	Cost +10%	Benefit -10%	Combination
2002	-93,840	-103,224	-93,840	-103,224
2003	-686,280	-754,908	-686,280	-754,908
2004	-1,487,080	-1,635,788	-1,487,080	-1,635,788
2005	-3,680,660	-4,048,726	-3,680,660	-4,048,726
2006	-4,784,520 	-5,262,972	-4,784,520	-5,262,972
2007	-5,720,120	-6,292,132	-5,720,120	-6,292,132
2008	-5,535,120	-6,088,632	-5,535,120	-6,088,632
2009	-3,758,849	-4,211,066	-3,835,182	-4,287,399
2010	-4,239,912	-4,755,655	-4,331,664	-4,847,408
2011	-4,086,259	-4,602,002	-4,193,377	-4,709,120
2012	-3,326,239	-3,765,980	-3,433,357	-3,873,098
2013	-1,158,049	-1,380,971	-1,265,167	-1,488,089
2014	6,952,758	6,931,980	6,236,704	6,215,925
2015	9,192,636	9,175,598	8,256,334	8,239,296
2016	13,209,132	13,192,094	11,871,180	11,854,142
2017	13,417,188	13,400,150	12,058,431	12,041,392
2018	13,408,284	13,390,355	12,049,527	12,031,598
2019	13,417,188	13,400,150	12,058,431	12,041,392
2020	13,417,188	13,400,150	12,058,431	12,041,392
2021	13,417,188	13,400,150	12,058,431	12,041,392
2022	13,417,188	13,400,150	12,058,431	12,041,392
2023	13,390,980	13,371,321	12,032,223	12,012,564
2024	13,417,188	13,400,150	12,058,431	12,041,393
2025	13,417,188	13,400,150	12,058,431	12,041,392
2026	13,417,188	13,400,150	12,058,431	12,041,393
2027	13,417,188	13,400,150	12,058,431	12,041,39
2028	13,408,284	13,390,355	12,049,527	12,031,598
2029	13,417,188	13,400,150	12,058,431	12,041,39
2030	13,417,188	13,400,150	12,058,431	12,041,39
2031	13,417,188	13,400,150	12,058,431	12,041,39
2032	13,417,188	13,400,150	12,058,431	12,041,39
2033	13,390,980	13,371,321	12,032,223	12,012,56
2034	13,417,188	13,400,150	12,058,431	12,041,39
2035	13,417,188	13,400,150	12,058,431	12,041,39
2036	13,417,188	13,400,150	12,058,431	12,041,39
2037	13,417,188	13,400,150	12,058,431	12,041,39
2038	13,225,500	13,189,293	11,866,743	11,830,53
2039	13,417,188	13,400,150	12,058,431	12,041,39
2040	13,417,188	13,400,150	12,058,431	12,041,39
2041	13,417,188	13,400,150	12,058,431	12,041,39
2042	13,417,188	13,400,150	12,058,431	
2043	13,390,980	13,371,321	12,032,223	12,012,56
2044	13,417,188	13,400,150	12,058,431	
2045	13,417,188	13,400,150	12,058,431	12,041,39
2046	13,417,188	13,400,150	12,058,431	12,041,39
2047	13,417,188	13,400,150	12,058,431	12,041,39
2048	13,408,284	13,390,355	12,049,527	12,031,59
2049	13,417,188	13,400,150	12,058,431	12,041,39
2050	13,417,188	13,400,150	12,058,431	12,041,39
2051	13,417,188	13,400,150	12,058,431	. 12,041,39
2052	13,417,188	13,400,150	12,058,431	12,041,39
2053	13,390,980	13,371,321		
2054	13,417,188	13,400,150		
2055	13,417,188	13,400,150		the state of the s
2056	13,417,188			
2057	13,417,188			
2058	13,408,284			
2059	13,417,188			
2060	13,417,188			
2061	13,417,188			
	,,	,,		
EIRR=	15.02%	14.17%	14.08%	6 13.27
ENVE	13.0270	14.17%	14,00%	13.27

Table 13-69 Sensitivity Analysis (Plan B-2)

Year	Base Case	Cost +10%	Benefit -10%	Combination
	-93,840	-103,224		
2002 2003	-686,280	-754,908	-93,840 -686,280	-103,224 -754,908
2004	-1,487,080	-1,635,788	-1,487,080	-1,635,788
2005	-3,680,660	-4,048,726	-3,680,660	-4,048,726
2006	-4,784,520	-5,262,972	-4,784,520	-5,262,972
2007	-5,720,120	-6,292,132	-5,720,120	-6,292,132
2008	-5,535,120	-6,088,632	-5,535,120	-6,088,632
2009	-3,758,849	-4,211,066	-3,835,182	-4,287,399
2010	-4,239,912	-4,755,655	-4,331,664	-4,847,408
2011	-4,086,259	-4,602,002	-4,193,377	-4,709,120
2012	-3,326,239	-3,765,980	-3,433,357	-3,873,098
2013	-1,158,049	-1,380,971	-1,265,167	-1,488,089
2014	6,905,492	6,884,714	6,194,164	6,173,386
2015	9,256,260	9,239,222	8,313,596	8,296,557
2016	12,645,983	12,628,945	11,364,346	11,347,308
2017	12,871,131	12,854,093	11,566,980	11,549,941
2018	12,862,227	12,844,298	11,558,076	11,540,147
2019	12,871,131	12,854,093	11,566,980	11,549,941
2020	12,871,131	12,854,093	11,566,980	11,549,941
2021	12,871,131	12,854,093	11,566,980	11,549,941
2022	12,871,131	12,854,093	11,566,980	11,549,941
2023	12,844,923	12,825,264	11,540,772	11,521,112
2024 2025	12,871,131	12,854,093	11,566,980	11,549,941
2026	12,871,131 12,871,131	12,854,093 12,854,093	11,566,980 11,566,980	11,549,941 11,549,941
2027	12,871,131	12,854,093	11,566,980	11,549,941
2028	12,862,227	12,844,298	11,558,076	11,540,147
2029	12,871,131	12,854,093	11,566,980	11,549,941
2030	12,871,131	12,854,093	11,566,980	11,549,941
2031	12,871,131	12,854,093	11,566,980	11,549,941
2032	12,871,131	12,854,093	11,566,980	11,549,941
2033	12,844,923	12,825,264	11,540,772	11,521,112
2034	12,871,131	12,854,093	11,566,980	11,549,941
2035	12,871,131	12,854,093	11,566,980	11,549,941
2036	12,871,131	12,854,093	11,566,980	11,549,941
2037	12,871,131	12,854,093	11,566,980	11,549,941
2038	12,679,443	12,643,236	11,375,292	11,339,084
2039	12,871,131	12,854,093	11,566,980	11,549,941
2040	12,871,131	12,854,093	11,566,980	11,549,941
2041 2042	12,871,131 12,871,131	12,854,093 12,854,093	11,566,980	11,549,941
2042	12,844,923	12,825,264	11,566,980 11,540,772	11,549,941 11,521,112
2044	12,871,131	12,854,093	11,566,980	11,549,941
2045	12,871,131	12,854,093	11,566,980	11,549,941
2046	12,871,131	12,854,093	11,566,980	11,549,941
2047	12,871,131	12,854,093	11,566,980	11,549,941
2048	12,862,227	12,844,298	11,558,076	11,540,147
2049	12,871,131	12,854,093	11,566,980	
2050	12,871,131	12,854,093	11,566,980	11,549,941
2051	12,871,131	12,854,093	11,566,980	11,549,941
2052	12,871,131	12,854,093	11,566,980	11,549,941
2053	12,844,923	12,825,264	11,540,772	11,521,112
2054	12,871,131	12,854,093	11,566,980	11,549,941
2055	12,871,131	12,854,093	11,566,980	11,549,941
2056	12,871,131	12,854,093		11,549,941
2057	12,871,131	12,854,093		11,549,941
2058	12,862,227	12,844,298		11,540,147
2059 2060	12,871,131 12,871,131	12,854,093 12,854,093	and the second s	11,549,941
2061	12,871,131	12,854,093		11,549,941 11,549,941
	2490/19171	1.0,007,077		xxy272,241
EIRR	= 14.73%	13.89%	13.80%	12.99%
EINN	.— 14.7370	13.0370	13.00%	12.77%

Table 13-70 Sensitivity Analysis (Plan B-3)

2002         .93,840         -103,224         -93,840         -103,224           2003         -686,280         .754,908         -686,280         .754,908           2004         -1,487,080         -1,635,788         -1,487,080         -1,635,788           2005         -3,680,660         -4,048,726         -3,680,660         -4,048,726           2006         -4,784,520         -5,262,972         -4,784,520         -5,262,972           2007         -5,720,120         -6,292,132         -5,720,120         -6,292,132           2008         -5,535,120         -6,088,632         -5,535,120         -6,088,632           2009         -3,788,849         -4,211,066         -3,835,182         -4,287,399           2010         -4,239,912         -4,755,655         -4,331,664         -4,847,408           2011         -4,086,259         -4,602,002         -4,193,377         -4,709,120           2012         -3,326,239         -3,765,980         -3,433,357         -3,873,098           2014         -6,867,466         -6,846,688         6,159,941         6,139,163           2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,386,121         12,369,0	Year	r Base C	ase Co	st +10%	Benefit -10%	Combination
2003						
2004						
2005         -3,680,660         -4,048,726         -3,680,660         -4,048,726         -5,262,972         -4,784,520         -5,262,972         -5,720,120         -6,292,132         -5,720,120         -6,292,132         -5,720,120         -6,292,132         -5,720,120         -6,292,132         -5,720,120         -6,292,132         -5,720,120         -6,292,132         -5,720,120         -6,088,632         -5,535,120         -6,088,632         -5,535,120         -6,088,632         -2,535,160         -4,287,399         -4,287,399         -4,287,399         -4,287,399         -4,474,408         -4,474,408         -2011         -4,086,259         -4,602,002         -4,193,377         -4,709,120         -2012         -3,326,239         -3,765,980         -3,433,357         -4,709,120         -3,873,098         2013         -1,158,049         -1,380,971         -1,265,167         -1,488,089         -2015         -1,488,089         -1,488,089         -1,265,167         -1,488,089         -1,2146,940         12,129,902         10,915,208         10,891,613         10,113,432         2015         2,386,121         12,369,083         11,130,471         11,113,432         2018         12,377,217         12,359,288         11,130,471         11,113,432         2022         12,386,121         12,369,083         11,130,471         11,113,432					•	
2006         -4,784,520         -5,262,972         -4,784,520         -5,222,132         -5,720,120         -6,292,132           2008         -5,535,120         -6,088,632         -5,535,120         -6,088,632         -5,535,120         -6,088,632           2009         -3,758,849         -4,211,066         -3,835,182         -4,287,399           2010         -4,239,912         -4,755,655         -4,331,664         -4,847,408           2011         -4,086,259         -4,602,002         -4,193,377         -3,873,098           2013         -1,158,049         -1,380,971         -1,265,167         -1,488,089           2014         -6,867,466         6,846,688         6,159,941         6,139,163           2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,146,940         12,129,902         10,915,208         10,888,169           2017         12,386,121         12,369,083         11,130,471         11,113,432           2019         12,386,121         12,369,083         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,1		•	•			· ·
2007   -5,720,120   -6,292,132   -5,720,120   -6,088,632   2009   -3,788,849   -4,211,066   -3,835,182   -4,287,399   2010   -4,239,912   -4,755,655   -4,331,664   -4,847,408   2011   -4,086,259   -4,602,002   -4,193,377   -4,709,120   2012   -3,326,239   -3,765,980   -3,433,357   -3,873,098   2013   -1,158,049   -1,380,971   -1,265,167   -1,488,089   2014   6,867,466   6,846,688   6,159,941   6,139,163   2015   9,316,867   9,299,829   8,368,142   8,351,104   2016   12,146,940   12,129,902   10,915,208   10,898,169   2017   12,386,121   12,369,083   11,130,471   11,113,432   2020   12,386,121   12,369,083   11,130,471   11,113,432   2020   12,386,121   12,369,083   11,130,471   11,113,432   2021   12,386,121   12,369,083   11,130,471   11,113,432   2022   12,386,121   12,369,083   11,130,471   11,113,432   2022   12,386,121   12,369,083   11,130,471   11,113,432   2023   12,359,913   12,340,254   11,104,263   11,084,603   2024   12,386,121   12,369,083   11,130,471   11,113,432   2025   12,386,121   12,369,083   11,130,471   11,113,432   2025   12,386,121   12,369,083   11,130,471   11,113,432   2026   12,386,121   12,369,083   11,130,471   11,113,432   2026   12,386,121   12,369,083   11,130,471   11,113,432   2026   12,386,121   12,369,083   11,130,471   11,113,432   2026   12,386,121   12,369,083   11,130,471   11,113,432   2026   12,386,121   12,369,083   11,130,471   11,113,432   2030   12,386,121   12,369,083   11,130,471   11,113,432   2030   12,386,121   12,369,083   11,130,471   11,113,432   2030   12,386,121   12,369,083   11,130,471   11,113,432   2031   12,386,121   12,369,083   11,130,471   11,113,432   2036   12,386,121   12,369,083   11,130,471   11,113,432   2036   12,386,121   12,369,083   11,130,471   11,113,432   2036   12,386,121   12,369,083   11,130,471   11,113,432   2036   12,386,121   12,369,083   11,130,471   11,113,432   2040   12,386,121   12,369,083   11,130,471   11,113,432   2040   12,386,121   12,369,083   11,130,471   11,113,432   2041   12,386,121   12,369,083   11,130,471		•				
2008         -5,535,120         -6,088,632         -5,535,120         -6,088,632           2010         -4,239,912         -4,755,655         -4,331,664         -4,874,748           2011         -4,086,259         -4,602,002         -4,193,377         -4,709,120           2012         -3,326,239         -3,765,980         -3,433,357         -3,873,098           2013         -1,158,049         -1,380,971         -1,265,167         -1,488,089           2014         6,867,466         6,846,688         6,159,941         6,139,163           2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,146,940         12,129,902         10,915,208         10,898,169           2017         12,386,121         12,369,083         11,130,471         11,113,432           2018         12,377,217         12,359,083         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121	2007					
2010         -4,239,912         -4,755,655         -4,331,664         -4,847,408           2011         -4,086,259         -4,602,002         -4,193,377         -4,709,120           2012         -3,262,239         -3,765,980         -3,433,357         -3,873,098           2013         -1,158,049         -1,380,971         -1,265,167         -1,488,089           2014         6,867,466         6,846,688         6,159,941         6,139,163           2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,146,940         12,129,902         10,915,208         10,898,169           2017         12,386,121         12,369,083         11,130,471         11,113,432           2018         12,377,217         12,359,083         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,30,471         11,113,432           2026         12,386,121	2008			6,088,632	-5,535,120	-6,088,632
2011         -4,086,259         -4,602,002         -4,193,377         -4,709,120           2012         -3,326,239         -3,765,980         -3,433,357         -3,873,098           2013         -1,158,049         -1,380,971         -1,265,167         -1,488,089           2014         6,867,466         6,846,688         6,159,941         6,139,163           2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,146,940         12,129,902         10,915,208         10,898,169           2017         12,386,121         12,369,083         11,130,471         11,113,432           2018         12,377,217         12,359,288         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121	2009	9 -3,75	8,849	4,211,066	-3,835,182	-4,287,399
2012         -3,326,239         -3,765,980         -3,433,357         -3,873,098           2014         6,867,466         6,846,688         6,159,941         6,139,163           2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,146,940         12,129,902         10,915,208         10,898,169           2017         12,386,121         12,369,083         11,130,471         11,134,322           2018         12,2377,217         12,359,083         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121	2010	0 -4,23	9,912	4,755,655	-4,331,664	-4,847,408
2013         -1,158,049         -1,380,971         -1,255,167         -1,488,089           2014         6,867,466         6,846,688         6,159,941         6,139,163           2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,146,940         12,129,902         10,915,208         10,898,169           2017         12,386,121         12,369,083         11,130,471         11,113,432           2018         12,377,217         12,359,983         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,359,913         12,340,254         11,104,263         11,084,603           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121	201					-4,709,120
2014         6,867,466         6,846,688         6,159,941         6,139,163           2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,146,940         12,129,902         10,915,208         10,898,169           2017         12,386,121         12,369,083         11,130,471         11,113,432           2018         12,377,217         12,369,083         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217	2013					
2015         9,316,867         9,299,829         8,368,142         8,351,104           2016         12,146,940         12,129,902         10,915,208         10,898,169           2017         12,386,121         12,369,083         11,130,471         11,113,432           2018         12,377,217         12,359,088         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,386,121         12,369,083         11,130,471         11,113,432           2030         12,386,121						
2016         12,146,940         12,129,902         10,915,208         10,898,169           2017         12,386,121         12,369,083         11,130,471         11,113,432           2018         12,377,217         12,359,288         11,121,567         11,103,638           2019         12,386,121         12,369,083         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,359,913         12,340,254         11,104,263         11,084,603           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,983         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2017         12,386,121         12,359,288         11,130,471         11,113,432           2019         12,386,121         12,369,083         11,130,471         11,103,638           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,288         11,121,567         11,03,638           2029         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121 <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>			•			
2018         12,377,217         12,359,288         11,121,567         11,103,638           2019         12,386,121         12,369,083         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,288         11,121,567         11,013,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2019         12,386,121         12,369,083         11,130,471         11,113,432           2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,083         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2020         12,386,121         12,369,083         11,130,471         11,113,432           2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,288         11,120,567         11,103,638           2029         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121 </td <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>		-				
2021         12,386,121         12,369,083         11,130,471         11,113,432           2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,386,121         12,369,083         11,130,471         11,113,432           2024         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,288         11,121,567         11,03,638           2029         12,386,121         12,369,083         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2022         12,386,121         12,369,083         11,130,471         11,113,432           2023         12,359,913         12,340,254         11,104,263         11,084,603           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,288         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,359,913         12,340,254         11,104,263         11,084,603           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2023         12,359,913         12,340,254         11,104,263         11,084,603           2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,083         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2024         12,386,121         12,369,083         11,130,471         11,113,432           2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,288         11,121,567         11,103,433           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,386,121         12,369,083         11,130,471         11,113,432           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433 </td <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td>			-			
2025         12,386,121         12,369,083         11,130,471         11,113,432           2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,359,288         11,130,471         11,113,432           2028         12,377,217         12,359,083         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,359,913         12,369,083         11,130,471         11,113,432           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,194,433 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2026         12,386,121         12,369,083         11,130,471         11,113,432           2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,288         11,121,567         11,103,638           2029         12,386,121         12,369,083         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,359,913         12,369,083         11,130,471         11,113,432           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2049         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121 </td <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>		-				
2027         12,386,121         12,369,083         11,130,471         11,113,432           2028         12,377,217         12,359,288         11,121,567         11,103,638           2029         12,386,121         12,369,083         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,359,913         12,340,254         11,104,263         11,084,603           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121 </td <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td>		•				
2028         12,377,217         12,359,288         11,121,567         11,103,638           2029         12,386,121         12,369,083         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,359,913         12,340,254         11,104,263         11,084,603           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2029         12,386,121         12,369,083         11,130,471         11,113,432           2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,359,913         12,340,254         11,104,263         11,084,603           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td>A CONTRACTOR OF THE CONTRACTOR</td> <td></td>					A CONTRACTOR OF THE CONTRACTOR	
2030         12,386,121         12,369,083         11,130,471         11,113,432           2031         12,386,121         12,369,083         11,130,471         11,113,432           2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,359,913         12,340,254         11,104,263         11,084,603           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2032         12,386,121         12,369,083         11,130,471         11,113,432           2033         12,359,913         12,340,254         11,104,263         11,084,603           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121 </td <td>203</td> <td></td> <td></td> <td></td> <td></td> <td></td>	203					
2033         12,359,913         12,340,254         11,104,263         11,084,603           2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121 </td <td>203</td> <td>12,3</td> <td>86,121</td> <td>12,369,083</td> <td>11,130,471</td> <td>11,113,432</td>	203	12,3	86,121	12,369,083	11,130,471	11,113,432
2034         12,386,121         12,369,083         11,130,471         11,113,432           2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121 </td <td>203</td> <td>32 12,3</td> <td>86,121</td> <td>12,369,083</td> <td>11,130,471</td> <td>11,113,432</td>	203	32 12,3	86,121	12,369,083	11,130,471	11,113,432
2035         12,386,121         12,369,083         11,130,471         11,113,432           2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217 </td <td>203</td> <td></td> <td></td> <td></td> <td></td> <td></td>	203					
2036         12,386,121         12,369,083         11,130,471         11,113,432           2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,083         11,130,471         11,113,432           2050         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2037         12,386,121         12,369,083         11,130,471         11,113,432           2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121 </td <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>		-				
2038         12,194,433         12,158,226         10,938,783         10,902,575           2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2039         12,386,121         12,369,083         11,130,471         11,113,432           2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2040         12,386,121         12,369,083         11,130,471         11,113,432           2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,386,121 </td <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td>		•				
2041         12,386,121         12,369,083         11,130,471         11,113,432           2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,433           2053         12,359,913         12,340,254         11,104,263         11,084,603           2054         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2042         12,386,121         12,369,083         11,130,471         11,113,432           2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,386,121         12,369,083         11,130,471         11,113,432           2054         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2043         12,359,913         12,340,254         11,104,263         11,084,603           2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,386,121         12,369,083         11,130,471         11,113,432           2054         12,386,121         12,369,083         11,130,471         11,113,433           2055         12,386,121         12,369,083         11,130,471         11,113,433           2056         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2044         12,386,121         12,369,083         11,130,471         11,113,432           2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,386,121         12,369,083         11,130,471         11,113,432           2054         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121         12,369,083         11,130,471         11,113,432           2056         12,386,121         12,369,083         11,130,471         11,113,432           2057         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2045         12,386,121         12,369,083         11,130,471         11,113,432           2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,386,121         12,369,083         11,130,471         11,113,432           2054         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121         12,369,083         11,130,471         11,113,432           2056         12,386,121         12,369,083         11,130,471         11,113,432           2057         12,386,121         12,369,083         11,130,471         11,113,432           2058         12,377,217 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2046         12,386,121         12,369,083         11,130,471         11,113,432           2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,359,913         12,340,254         11,104,263         11,084,603           2054         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121         12,369,083         11,130,471         11,113,432           2056         12,386,121         12,369,083         11,130,471         11,113,432           2057         12,386,121         12,369,083         11,130,471         11,113,432           2058         12,377,217 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2047         12,386,121         12,369,083         11,130,471         11,113,432           2048         12,377,217         12,359,288         11,121,567         11,103,638           2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,359,913         12,340,254         11,104,263         11,084,603           2054         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121         12,369,083         11,130,471         11,113,432           2056         12,386,121         12,369,083         11,130,471         11,113,432           2057         12,386,121         12,369,083         11,130,471         11,113,432           2058         12,377,217         12,359,288         11,121,567         11,103,633           2059         12,386,121         12,369,083         11,130,471         11,113,433           2060         12,386,121 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
2049         12,386,121         12,369,083         11,130,471         11,113,432           2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,359,913         12,340,254         11,104,263         11,084,603           2054         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121         12,369,083         11,130,471         11,113,432           2056         12,386,121         12,369,083         11,130,471         11,113,432           2057         12,386,121         12,369,083         11,130,471         11,113,432           2058         12,377,217         12,359,288         11,121,567         11,103,633           2059         12,386,121         12,369,083         11,130,471         11,113,433           2060         12,386,121         12,369,083         11,130,471         11,113,433           2061         12,386,121         12,369,083         11,130,471         11,113,433	20-					
2050         12,386,121         12,369,083         11,130,471         11,113,432           2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,359,913         12,340,254         11,104,263         11,084,603           2054         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121         12,369,083         11,130,471         11,113,432           2056         12,386,121         12,369,083         11,130,471         11,113,432           2057         12,386,121         12,369,083         11,130,471         11,113,432           2058         12,377,217         12,359,288         11,121,567         11,103,633           2059         12,386,121         12,369,083         11,130,471         11,113,432           2060         12,386,121         12,369,083         11,130,471         11,113,433           2061         12,386,121         12,369,083         11,130,471         11,113,433	20-	48 12,3	377,217	12,359,288	11,121,56	7 11,103,638
2051         12,386,121         12,369,083         11,130,471         11,113,432           2052         12,386,121         12,369,083         11,130,471         11,113,432           2053         12,359,913         12,340,254         11,104,263         11,084,603           2054         12,386,121         12,369,083         11,130,471         11,113,432           2055         12,386,121         12,369,083         11,130,471         11,113,432           2056         12,386,121         12,369,083         11,130,471         11,113,432           2057         12,386,121         12,369,083         11,130,471         11,113,432           2058         12,377,217         12,359,288         11,121,567         11,103,633           2059         12,386,121         12,369,083         11,130,471         11,113,432           2060         12,386,121         12,369,083         11,130,471         11,113,433           2061         12,386,121         12,369,083         11,130,471         11,113,433	20	49 12,3	386,121	12,369,083	11,130,47	
2052       12,386,121       12,369,083       11,130,471       11,113,432         2053       12,359,913       12,340,254       11,104,263       11,084,603         2054       12,386,121       12,369,083       11,130,471       11,113,432         2055       12,386,121       12,369,083       11,130,471       11,113,432         2056       12,386,121       12,369,083       11,130,471       11,113,432         2057       12,386,121       12,369,083       11,130,471       11,113,432         2058       12,377,217       12,359,288       11,121,567       11,103,634         2059       12,386,121       12,369,083       11,130,471       11,113,432         2060       12,386,121       12,369,083       11,130,471       11,113,433         2061       12,386,121       12,369,083       11,130,471       11,113,433	20			12,369,083	11,130,47	
2053       12,359,913       12,340,254       11,104,263       11,084,603         2054       12,386,121       12,369,083       11,130,471       11,113,433         2055       12,386,121       12,369,083       11,130,471       11,113,433         2056       12,386,121       12,369,083       11,130,471       11,113,433         2057       12,386,121       12,369,083       11,130,471       11,113,433         2058       12,377,217       12,359,288       11,121,567       11,103,633         2059       12,386,121       12,369,083       11,130,471       11,113,433         2060       12,386,121       12,369,083       11,130,471       11,113,433         2061       12,386,121       12,369,083       11,130,471       11,113,433						
2054     12,386,121     12,369,083     11,130,471     11,113,43;       2055     12,386,121     12,369,083     11,130,471     11,113,43;       2056     12,386,121     12,369,083     11,130,471     11,113,43;       2057     12,386,121     12,369,083     11,130,471     11,113,43;       2058     12,377,217     12,359,288     11,121,567     11,103,63;       2059     12,386,121     12,369,083     11,130,471     11,113,43;       2060     12,386,121     12,369,083     11,130,471     11,113,43;       2061     12,386,121     12,369,083     11,130,471     11,113,43;						
2055       12,386,121       12,369,083       11,130,471       11,113,432         2056       12,386,121       12,369,083       11,130,471       11,113,432         2057       12,386,121       12,369,083       11,130,471       11,113,432         2058       12,377,217       12,359,288       11,121,567       11,103,633         2059       12,386,121       12,369,083       11,130,471       11,113,432         2060       12,386,121       12,369,083       11,130,471       11,113,432         2061       12,386,121       12,369,083       11,130,471       11,113,432						
2056       12,386,121       12,369,083       11,130,471       11,113,432         2057       12,386,121       12,369,083       11,130,471       11,113,432         2058       12,377,217       12,359,288       11,121,567       11,103,633         2059       12,386,121       12,369,083       11,130,471       11,113,432         2060       12,386,121       12,369,083       11,130,471       11,113,432         2061       12,386,121       12,369,083       11,130,471       11,113,432						
2057     12,386,121     12,369,083     11,130,471     11,113,433       2058     12,377,217     12,359,288     11,121,567     11,103,634       2059     12,386,121     12,369,083     11,130,471     11,113,433       2060     12,386,121     12,369,083     11,130,471     11,113,433       2061     12,386,121     12,369,083     11,130,471     11,113,433			-			
2058     12,377,217     12,359,288     11,121,567     11,103,633       2059     12,386,121     12,369,083     11,130,471     11,113,433       2060     12,386,121     12,369,083     11,130,471     11,113,433       2061     12,386,121     12,369,083     11,130,471     11,113,433						
2059     12,386,121     12,369,083     11,130,471     11,113,43       2060     12,386,121     12,369,083     11,130,471     11,113,43       2061     12,386,121     12,369,083     11,130,471     11,113,43						
2060     12,386,121     12,369,083     11,130,471     11,113,43       2061     12,386,121     12,369,083     11,130,471     11,113,43		The second secon				
2061 12,386,121 12,369,083 11,130,471 11,113,43		•				
EIRR= 14.47% 13.63% 13.55% 12.74%		01 12,	500,121	14,307,00	, 11,130,47	1 11,11,0,432
EIKK= 14.4/% 13.03% 13.55% 12.74%		ממני	1.4.400	40.000	, 40.55	w 10.54~
	· E	ukk=	14.4/%	15.05%	o 13.33%	12.74%