M. Feasibility Study -Bekasi

5-000-2-2-	and the same set of the set of the	Bekasi Ali Area (18		A THE OWNER OF THE OWNER			1060.8 -1060.8	• •	· S≖ T=	0.595 27.0	•
			V714300B		Supp Supp	•		ពោ ហរ	EF =	0.900	• -
N	lessage =	Normal End Number of Node =	884	NOUC		e Loops ≕ n Count ≂	0 73	[times]	Rough =	0.900	
								[m <sup>3</sup> /b]	wooth -	0.020	նույ
		Number of Pipe =	1252			Max CF =					
the second s	And in case of the local division of the loc	tion Table			Data	States of the local division of the local di	on Tabl	Diam.	Langth	There I	1Vala
Data No	Node	Name	SPIELS (Kerming)	Load a	No	Lett Node	Right Node	(51m)	Leagth (m)	Flow (Nrs <sup>3</sup> A)	Veloc (m/
10	<u>No.</u> 101		0.964	1.0	1	101	102	32	64	-1.0	100
2	102		0.964	1.4	2	102	104	32	36	-0.7	
3	103	<u></u>	0.964	0.4	13	102	112	32	36	•1.7	
1	104	an 'n an airs a' suite, a' suint-rar an 's an br	0.964	1.0	4	103	101	32	44	-0.1	
5	105	-	0.964	0.0	5	104	106	32	34	-2.1	
6	106	andra and a star and and a star from the star of th	0.964	13	6	105	106	32	26	0.0	
7	107		0.964	0.0	7	106	108	32	58	-1.0	
8	108		0.964	0.4	8	106	114	32		-2.4	
9	109		0.964	0.5	9	107	108	32	10	0.0	
10	110		0.964	0.5	10	108	116	32	36	-1.3	
11	111		0.964	0.6	11	109	110	32	66	-0.5	
12	112		0.964	0.6	12	110	111	63	6	23.3	
13	113		0.961	0.4	13	110	112	63	44	-24.3	
14	114	understandigen under standigen under son anderstandigen	0.964	0.8	14	<u>_111</u>	113	63	44	-26.6	
15	115	ha <del>ha ia dikata <u>an</u>i any ana aka 27</del>	0.964	0.8	15	<u>11</u>	129	63	76	-35.8	
16	116	ەر يېزىك ئېرىك بېرىك يېرىك يېرىك يېرىك يېرىك يېرى	0.964	0.4	16		133	100	24	85.1	
17	117	- 	0.964	0.6	17	112	<u>113</u> 114	<u>63</u>		<u>-14.5</u> -12.2	
18	118		0.964		19	112	114	63	70	-12.2 -11.5	
19 20	120		0.965	1.4	20	- 113	113	63	36	-30.1	
21	122		0.965	2.1	20	-113	116	63	58	-30.1	
22	123		0.965	2.2	22	. 114	115	63	6	-8.2	
23	124		0.965	12	23	115	122	32	36	-4.5	
24	125	······································	0.965	1.4	24	115	117	63	58	-15.9	
25	126		0.965	13	25	116	117	63	6	3.1	
26	127		0.966	1.4	26	116	118	63	42	-12.0	
27	128		0.965	2.2	27	117	118	63	34	-13.4	
28	129		0.965	1.3	28	118	120	63	36	-25.6	
29	130		0.966	1.4	29	120	203	63	36	-28.8	
30	131		0.967	0.6	30	120	122	32	94	1.9	
31	132		0.967	0.8	31	121	203	32	34	-0.6	÷ .,
32	133		0.964	1.2	32	121	124	32	60	2.5	
33	134		0.961	0.6	33	121	208	32	50	-3.0	
: 34	135		0.960	18	34	122	124	32	34	-5.4	
35	136		0.963	1.3		122		32	34	0.6	
<u>- 36</u> 37	<u>- 137</u> 138		<u>0.967</u> 0.967	0.8	36	<u>123</u> 123	125 128	<u>32</u> 32	36	<u>2.5</u> -4.0	
38	139		0.967	1.0	38	123	127	32	50	-4.1	
39	140		0.958	0.8	39	125	126	63	40	-29.0	
40	141	- <u>C</u>	0.958	1.5	40	126	129	32	44	1.5	
41	142		0.959	2.2	41	126	130	63	42	-31.8	-
42	143		0.960	24	42	127	128	32	34	2.4	
43	144		0.959	21	43	127	208	32	60	-0.5	
44	145		0.964	1.2	44	127	222	32	40	-7_4	
45	146	an pranta tanàna mandritry dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina Ny INSEE dia kaominina dia k	0.956	1.4	45	128	130	32	36	-3.8	
	147		0.957	19	46	129	137	63	82	-35.5	
47	148		0.956	2.9	47	130	- 131	63	40	-37.0	
48	149		0.958	1.3	48	131	-137	63	44	0.6	
49	150		0.964	26	49	131	132	63	8	-35,6	
50	151		0.963	0.9	50	131	222	63	70	-2.7	
51	203		0.965	0.6	51	132	138	63	44	-0.4	
52	207		0.966	06	52	132	249	63	40	-35.4	
53	208		0.966	10	53	132	223	63	70	-0.5	
54	209 210		0.967	0.6	<u>54</u> 55	133	136	63 63	114	20.2	
55	210		0.967	0.0	56	133	<u>134</u> 135	32	44	8.2	
- <u></u>	215		1.000	-1,060.8	57	134	140	63	72	54.8	
31	210	and a second state of the	1.000	• • • • • • • • • • • • • • • • • • • •		1.34	- 14V -	03	12	. 24.0]	

59	218		0.980	0.4	ſ	59	135	142	32	34	7.6	1.7
60	219		0.985	0.1		60	136	143	32	44	11.4	26
61	220		0.979	0.3	Γ	61	136	139	63	46	7.6	0.4
62	221		0.980	1.4	r	62	137	138	63	8	-35.7	2.1
63	222		0.967	0.9		63	138	265	63	130]	-37.3	2.2
64	223	**************************************	0.967	1.0	r	64	139	311	180	118]	738.2	5.4
65	224	and and a starting of the state	0.968	1.5	_	65	139	151	180	. 8	-731.6	5.3
66	225	a mana na paraményi mang ang arta dan ana pangapan	0.969	1.9	· [~	66	140	141	63	36	2.8	0.2
67	226	h den mannen viernien verdieren immeren in d	0.971	2.6	T	67	140	146	63	70	51.3	3.0
68	227	) als Alfrin-R Will-Clarker Striker South San Jack of	0.976	0.8	F	68	141	142	32	38	-5.6	13
69	228		0.977	0.3	- h	69	141	149	63	78	-2.1	0.1
70	229	and the second construction of the second	0.983	1.5	-	70	141	147	32	36	9.0	2.1
71	230	- Addalladoff SCA-Feld and Software warmer	0.985	0.8	· Ի	71	142	111	32	78	-0.3	0.1
72	231		0.987	1.2	· -	72	143	144	32	34	7.8	1.8
73	232		0.993	0,4		73	144	149	32	38	5.5	13
74	233		0.983	0.5	5 F	74	145	150	32	44	4.9	and the local division of the local division
75	233		0.983	1.7		75	145	403	180	104	-784.0	<u> </u>
76	235		0.984	2.3		76	145	ACCOUNTS OF A DESCRIPTION OF	180	46	777.9	The second s
	and the second se	/			· [~	area dana ana	the second s	151		the state of the s		<u> </u>
77	236	·····	0.987	2.6		77	146	148	32	36	1.8	0.4
78	237		0.992	0.8	┝	78	146	303	63	164	48.1	2.9
79	238		0.978	0.4	₋⊢	79	147	148	32	34	8.0	1.9
<u>80</u>	241		0.979	0.5	·  -	80	147	310	32	78	-10	0.2
81	242		0.972	0.5	-	81	148	308	32	34	<u> </u>	0.3
82	243		0.968	2.8	·	82	148	305	32	108	5.8	
83	244		0.968	0.9	·	83	149	310	32	36	8.8	2.0
84	245		0.969	1.5	· L	84	149	311	32	46	-6.7	
85	246		0.969	1.5	ļ.,	85	150	314	32	36	7.9	1.8
86	247		0.970	1.3		86	150	402	32	104	-5.5	1.3
87	248	·	0.972	0.6		87	151	312	63	118	45.3	2.7
88	249		0.968	1.9	÷ لـ	88	203	207	63	48	-30.1	1.8
89	250		0.968	1.4		89	207	208	32	34	4.5	1.0
90	251		0.969	1.2		90	207	209	63	40	-35.2	2.1
- 91	252		0.969	1.3	L	91	209	210	63	8	-34.3	2.0
92	253		0.970	0.9		92	209	222	63	94	-1.5	0.1
93	254		0.969	1.8		93	210	224	63	40	-42.5	2.5
91	255		0.970	1.3		94	210	223	63	- 91	7.7	0.5
95	256		0.971	0.5		95	213	220	32	52	0.0	0.0
96	260		0.979	0.8	E	96	216	232	180	126	1,060.8	7.6
.97	261		0.982	2.3	- E	97	217	231	32	36	-0.3	0.1
98	262		0.984	2.4	Г	98	218	221	32	34	-0.4	0.1
- 99	263		0.986	2.4		99	219	230	32	36	-0.1	0.0
100	264		0.987	0.8	<b>1</b>	100	220	22]	63	- 36	-53.4	3.1
101	265		0.969	1.2		101	220	228	63	44	53.1	3.1
102	266		0.970	0.6		102	221	229	63	56	-55.1	3.2
103	267		0.972	0.8		103	222	223	63	8	-12.5	0.7
104	268	a ar an io an ann an	0.974	0.0		104	223	243	32	40		1.5
105	269	····	0.979	0.0		105	224	225	63	36	-46.2	2.7
106	270		0.980	0.3		106	224	243	32	94	2.1	0.5
107	271		0.982	0.4		107	225	226	63	60	-49.3	2.9
108	272		0.982	1.0	times	108	225	245	32	68	1.3	0.3
109	273		0.986	1.0		109	226	242	63	38	-55.9	3.3
110	301		0.948	0.0		110	226	247	32	68	4.0	0.9
111	301		0.949	1.2		111	227	217	63	14	-85.3	5.0
112	302		0.949	1.2		112	227	242	63	44	And the same descent of the second	
112	303		0.951	2.1		112	228	238	63		84.6 -32.5	5.0
	304		and the second data and the se							52		1.9
114	305		0.954	23		114	229	230	63	38	-67.4	4.0
			0.955	1.0		115	229	233	63	46	-2.9	0.2
116	307	· · · · · · · · · · · · · · · · · · ·	0.956	0.6		116	229	241	32	46	13.6	
117	308		0.956	1.4	-	117	230	231	63	34	-81.4	4.8
118	309		0.956	0.6		118	230	233	32	28	13.1	3.0
119	310		0.957	1.9	L.	119	231	232	63	72	-82.8	4.8
120	311		0.959	1.5	L	120	232	237	160	34	977.6	7.0
121	312		0.960	1.5		121	233	234	63	6	9.7	0.6
122	313		0.961	1.5	Ľ	122	234	235	32	36	9.2	2.1
123	314		0.963	2.4		123	234	261	63	100	17.2	1.0
			0.961	1.2	ſ	124	235	236	32	34	-12.8	2.9
124	315		Contraction and the second second		· ·						14.01	
	315 316		0.957	1.7	· F	125	235	262	32	100	1.3	0.3

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		A 3		0.010		1		1		1		[***********
	126	317 318		0.958 0.958	0.4	126	236	<u>237</u> 263	32	<u> </u>	<u>-18.9</u> 3.5	<u> </u>
	128	319		0.958	0.8	128	230	264	180	100	958.0	6.9
	129	320	anaga maintin ay combu natawa a falina k	0.958	1.0	129	238	241	63	40	-32 9	1.9
	130	321		0.954	1.5	130	241	260	63	96	-19.8	1.2
	131	322		0.954	1.4	131	242	248	63	68	28.2	1.7
	132	323		0.953	2.2	132	243	244	32	36	-6.8	1.6
	133	324	****	0,953	1.4	133	243	249	32	70	-0.3	0.1
	134	325		0.960	0.3	134	244	245	32	26	-5.3	1.2
	135	326	***	0.959	0.6	135	244	251	32	34	-2.4	0.6
	136 137	<u>327</u> 328		0.959	1.4	136	245 246	246	32	<u>34</u> 26	-5.5	1.3 2.0
3	138	329		0.959	0.9	138	246	252	32	60	1.5	0.3
	139	330		0.959	1.4	139	247	253	32	42	2.7	0.6
	140	331		0.959	0.9	140	247	248	32	38	-8.5	1.9
	241	332		0.959	0.5	141	248	256	63	50	19.0	1.1
	142	333		0.959	0.4	142	249	250	63	36	-37.7	2.2
· · ·	143	335		0.954	0.9	143	250	251	32	36	-2.9	0.7
	144	336		0.954	0.8	144	250	254	63	<u>56</u> 34	-36.2	21
	145 146	401		0.964	<u>1.5</u> 1.7	145	251	252 253	<u> </u>	<u> </u>	-6.5 -6.3	1.5
	140	402		0.968	0.9	140	253	255	32		-0.3	1.4
	148	404		0.968	0.9	148	254	255	63	42	-36.4	2.2
	149	405		0.971	1.8	149	254	265	32	46	23	0.5
•	150	406		0.971	1.4	150	254	265	32	46	-3.8	0.9
	151	407		0.970	0.6	151	255	256	63	38	-42.2	2.5
14	152	408		0.970	0.6	152	256	267	63	46	-23.7	1.4
	153 154	409	r valaan wii oo dalafaada dan al olah ti aa	0.983	0.5	153	260 261	270 262	63 32	<u>46</u> 36	-20.5	22
	155	411		0.985	1.0	155	261	202	63	36	24.7	1.4
- * *	156	412		0.969	1.0	156	262	263	32	34	-10.9	2.5
	157	413		0.971	1.0	157	263	264	32	36	-9.8	2.2
<b>3</b>	158	414		0.971	2 2	158	264	273	180	36	947.4	6.8
<b>)</b>	159	415		0.970	22	159	265	266	63	28	-36.1	2.1
	160	416	-	0.969	17	160	266	267	63	84	-40.6	2.4
4	161 162	<u>417</u> 418		<u> </u>	06	161	<u>267</u> 267	405 268	200 180	24 56	<u>882.7</u> -947.8	4.0
	162	418		0.971	0.8	163	268	269	180	114	-947.8	6.8 6.8
	164	420		0.970	1 2	164	269	270	180	14	-947.8	6.8
	165	421		0.970	1.5	165	270	271	180	44	-968.6	7.0
	166	422		0.970	0.8	166	271	272	180	14	-944.3	6.8
	167	423		0.970	0.3	167	272	273	180	92	-905.2	6.5
:	168	424		0.970	0.8	168	272	409	63	46	-40.1	2.4
	169	425		0.970	1.4	169	273	410	63	40	41.1	-2.4
	170 171	426		0.970 0.970	<u>15</u> 08	170	<u>301</u> 301	<u>302</u> 1248	180 180	16 500	<u>-858.2</u> 858.2	<u>63</u>
	172	431		0.970	0.6	172	302	303	63	44	-56.9	3.4
	173	432		0.969	1.0	173	302	324	180	112	-802.5	5.9
	174	433		0.969	0.4	174	303	304	32	36	-10.1	23
	175	434		0.969	0.0	175	304	305	32	36	-9.1	2.1
: · · · ·	176	435		0.969	0.0	176	304	323	32	76	-3.0	0.7
	177	436		0.969	0.0	177	305	321	32	34	-5.6	13
	178 179	437 438		0.970	0.0	178	306 306	307 308	32 32	<u>42</u> 54	- <u>43</u> -44	1.0
-	180	438		0.970	1.9	180	306	308	32	34	-4.4	1.8
	181	440		0.970	0.9	181	307	309	32	30	-6.5	1.5
12	182	441		0.970	0.8	182	307	322	32	34	9.6	2 2
	183	442		0.970	17	183	307	316	32	48	-8.0	1.8
	184	443		0.970	0.8	184	308	309	32	44	.4.7	1.1
	185	444		0.970	0.3	185	309	316	32	46	-6.1	1.4
	186 187	445 446		0.970	0.3	186 187	309	<u>310</u> 312	<u>32</u> 63	34 8	-5.8 -38.1	2.3
	187	440		0.970	0.8	187	311	312	180	72	768.1	\$.6
	189	448		0.970	0.8	189	312	313	63	46	-36.1	21
	190	1101		0.861	0.4	190	312	317	63	58	41.8	2 5
	191	1102		0.861	0.3	191	313	314	32	38	-10.9	2.5
	192	1103		0.861	0.0	192	313	315	63	34	-35.4	21
						M 3						
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $													
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	193	1104		0.861	0.6	.	193	313	319	32	58	86	20
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		The second s	a an an an amhainn a r an ann ann an Taraig ann Abhrai	Name and Address of the Owner, where			And the owner of the owner owne	314	401	32	CONTRACTOR OF A DATE	And in the local division of the local divis	and the Real Property lies in the lies of
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	And the owner of the owner, where the ow	And a state of the second s	and the second of the second se		A DESCRIPTION OF TAXABLE PARTY.								
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	196	1107		the second s			And the owner of the local division of the l		the second s				Contraction of the second s
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		COLOR DO DO DO DO DO DO			And the Party of t		and the second division of the second divisio		Contraction of the local division of the loc		or successive strategy in the local division of the local division	and the other data and the other	the second s
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Community of the local division of the local	The second s		CONTRACTOR OF TAXABLE	- modelik anan Maka 424							COLUMN CONTRACTOR OF THE OWNER OF	ALC: A DECEMBER OF THE OWNER.
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				An other sale and reaction in the	And in case of the local division of the loc		and the second sec	comparison on the second	COLUMN TWO IS NOT THE OWNER.				A REAL PROPERTY AND A REAL PROPERTY.
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					CONTRACTOR OF THE OWNER OWNE				the second s		and the local data was a set of the set of t	and the second	and the second
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		a passa yang dan di			A COMPANY OF THE OWNER		and the second					the survey of th	A DESCRIPTION OF A DESC
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	and the second se	and the local data is the second data and the	an a	0.860	And in case of the local division of the loc		A REAL PROPERTY AND INCOME.						0.5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	the second standing They be	And in case of the local division of the loc			of the section of the section of the		the second s					0.5	0.1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		A DESIGNATION OF THE REAL PROPERTY OF THE REAL PROP		the second s	And in case of the local division of the loc		205	322				8.7	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		the second s			0.6		206	323	Construction of the Party Construction of			the second s	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	207	1118		A REAL PROPERTY AND INCOME.	the second s			And in case of the local division of the loc					and the second se
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $		And in case of the local division of the loc		And the second se	A DOLLAR OF THE OWNER OF					and the local division of the local division		CALL THE DESIGNATION OF T	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	The second s			- sector and a sector descent descent	A DESCRIPTION OF THE OWNER OWNER		the second s		Sector Street, or other	the second s	the second s		an a
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Contraction of the local division of the loc			_		Contraction of the local division of the loc		Surger and the second s	A DESCRIPTION OF TAXABLE PARTY.			and the second
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		And in case of the local division of the loc	╉╍╍┙╍╼╍╍╌╍	the second se	The Design of States, Spinster, Spin		the second s				the second s		
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $		the second s			1.7				336	63		A Description of the local division of the l	2.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	and the second sec	Street, Square, South Street, Square, Squa		0.861	1.3	÷ .	and the second se		the subscription of the local division of th		a su operation of the local division of the		3.2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	219	1131		and the second se	Name and Address of Street or other Designation of the Owner, which the Person of the Owner, which the			States of the local division of the	And in case of the local division of the loc	the second s			And in case of the local division of the loc
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	And in case of the local division of the loc	1132		AND REAL PROPERTY AND ADDRESS OF TAXABLE PARTY.	and the Real Property lies, th	Į			And and a subscription of the local division	a second with the second second	A DESCRIPTION OF THE OWNER.		A DESCRIPTION OF THE OWNER OF THE
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	The second se	No. of Concession, Name			CONTRACTOR OF STREET,	÷.		a sector de la companya de la compa	And the owner of the owner o		Contraction of the local division of the loc		CONTRACTOR OF A
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$\begin{array}{ c c c c c c c c c c c c c c c c c c c$					Contraction in the local division of the loc		the second s		والمتفاطر الخبطين مبوده أأ		148	2.5	0.1
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	the state of the s	A REAL PROPERTY AND INCOME.	1 · · · ·			· ·	b	Contraction Contract	A DESCRIPTION OF A DESC			The second s	
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253         1165         0 861         26         253         424         426         32         54         -0.2         0.0           254         1165         0 861         2.1         254         425         428         63         36         1.4         0.           255         1169         0.797         0.0         255         425         447         32         100         1.8         0.           255         1170         0.798         0.8         256         426         442         63         46         0.6         0.0									425	63	36	4.6	0.3
254         1165         0.861         2.1         254         425         428         63         36         1.4         0.           255         1169         0.797         0.0         255         425         447         32         100         1.8         0.           255         1170         0.798         0.8         256         426         442         63         46         0.6         0.0					2.6	5	and the second sec	424	426	32	54	-02	0.0
255         1169         0.797         0.0         255         425         447         32         100         1.8         0.7           256         1170         0.798         0.8         256         426         442         63         46         0.6         00					2.1		254						0.1
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259 1173 0.861 0.9 259 433 434 32 14 0.0 0.	259	1 1173		0.86	<u>1 0.9</u>	2	259	435	434	<u> </u>	L 14	I	0.0]

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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	THE OWNER WATER ADDRESS OF TAXABLE PARTY.
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306         1240         0.862         0.3           307         1241         0.843         0.3           308         1242         0.849         0.4           309         1243         0.864         0.8           309         1243         0.864         0.8           301         1244         0.857         0.6           310         1244         0.867         0.4           311         1245         0.867         0.4           312         1246         0.867         0.4           313         1248         0.930         0.0           314         1249         0.862         0.8	
307       1241       0.848       0.3       307       1129       1130       32       28       -6         308       1242       0.849       0.4       308       1129       1149       32       58       -6         309       1243       0.864       0.8       309       1130       1132       32       74       -6         310       1244       0.857       0.6       310       1130       1144       32       42       -6         311       1245       0.867       0.4       311       1131       1132       63       36       -4         312       1246       0.867       0.4       312       1131       1134       63       34       -11         313       1248       0.930       0.0       313       1132       1140       63       50       -7         314       1249       0.862       0.8       314       1133       1134       32       36       -6	
308       1242       0.849       0.4       308       1129       1149       32       58       -6         309       1243       0.864       0.8       309       1130       1132       32       74       -6         310       1244       0.857       0.6       310       1130       1144       32       42       -6         311       1245       0.867       0.4       311       1131       1132       63       36       -4         312       1246       0.867       0.4       312       1131       1134       63       34       -11         313       1248       0.930       0.0       313       1132       1140       63       50       -7         314       1249       0.862       0.8       314       1133       1134       32       36       -0	
309         1243         0.864         0.8         309         1130         1132         32         74         -0           310         1244         0.857         0.6         310         1130         1144         32         42         -0           311         1245         0.867         0.4         311         1131         1132         63         36         -4           312         1246         0.867         0.4         312         1131         1134         63         34         -11           313         1248         0.930         0.0         313         1132         1140         63         50         -7           314         1249         0.862         0.8         314         1133         1134         32         36         -0	
310       1244       0.857       0.6       310       1130       1144       32       42       -0         311       1245       0.867       0.4       311       1131       1132       63       36       -4         312       1246       0.867       0.4       312       1131       1134       63       34       -11         313       1248       0.930       0.0       313       1132       1140       63       50       -7         314       1249       0.862       0.8       314       1133       1134       32       36       -0	
311         1245         0.867         0.4         311         1131         1132         63         36         -4           312         1246         0.867         0.4         312         1131         1134         63         34         -11           313         1248         0.930         0.0         313         1132         1140         63         50         -7           314         1249         0.862         0.8         314         1133         1134         32         36         -0	
312         1246         0.867         0.4         312         1131         1134         63         34         -11           313         1248         0.930         0.0         313         1132         1140         63         50         -7           314         1249         0.862         0.8         314         1133         1134         32         36         -0	
313         1248         0.930         0.0         313         1132         1140         63         50         -7           314         1249         0.862         0.8         314         1133         1134         32         36         -0	
314 1249 0.862 0.8 314 1133 1134 32 36 0	
315         1250         0.862         0.5         315         1133         1136         32         28         -0           316         1251         0.862         1.4         316         1133         1141         32         88         -0	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	And the second statement of th
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317         1234         0.802         1.4         317         1205         0.5         40         10           320         1255         0.862         0.0         320         1136         1137         32         18         -0	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
<u>322</u> <u>1257</u> <u>0.862</u> <u>0.3</u> <u>322</u> <u>1137</u> <u>1138</u> <u>32</u> <u>28</u> <u>-</u>	
323         1258         0.862         0.5         323         1135         32         20	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	a statement in the second
<u>325 1302</u> 0.802 0.3 <u>325 1139 1142 32 52</u> ·	
<u>326 1303 0805 0.9</u> <u>326 1140 1141 63 34</u> -10	a war all a start and a start and

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327	1304		0.805	0.0	1	327	1140	1145	63	- 28	3.2	0.2
328	1305		0.809	0.9	1	328	1141	1142	63	28	-15.0	0.
329	1306	the second state of the se	0.809	01	:	329	1141	1146	32	34	2.1	0
330	1307	And the Real Property in the Real Property lies in the Real Property l	0.812	0.9		330	1142	1143	63	28	-17.7	1.
331	1308		0.812	0.3		331	1143	1148	32	34	3.5	0.9
332	1309		0.816	0.6		332	1143	1249	63	40	-24.9	1.0
333	1310	CONTRACTOR AND A DESCRIPTION OF THE PARTY OF	0.816	0.0		333	1144	1145	32	58	-1.6	0
334	1311		0.820	1.7	ł	334	1144	1150	32	28	-0.2	0.0
335 336	<u>1312</u> 1313		0.823 0.824	1.5	·	<u>335</u> 336	1145	1151	63	28	0.6	0.0
337	1314		0.824	0.9		<u>330</u> 337	1146 1146	<u>1147</u> 1154	32	28	0.9	0.1
338	1315		0.825	1.7	ŀ	338	1140	1148	<u>32</u> 32	<u>48</u> 28	-1.2	0.3
339	1316		0.826	13		339	1147	1155	32		0.9	0.3
340	1317		0.827	10	ł	340	1148	1156	32	48	0.9	0.2
341	1318		0.828	1.0	. <b>I</b>	341	1149	1150	32	28	-0.5	0.
342	1319		0.828	1.0	ł	342	1149	1152	32	30	-1.2	0.
343	1320	and the second se	0.831	2.4	1	343	1150	1151	32	46	1.9	0.:
344	1321		0.833	0.8	Ì	344	1151	1153	63	26	-2.5	0.
345	1322		0.834	0.8	. 1	345	1152	1153	32	66	•1.3	0.
346	1323		0.836	21		346	1152	1164	32	30	-1.6	0
347	1324		1837	21	. [	347	1153	1154	32	34	1.0	0.2
348	1325		0.837	21	- [	348	1153	1165	63	28	-6.3	0.4
349	1326		0.841	21	1	349	1154	1155	32	28	0.5	0.
350	1327	Company or American without defined decrements which the	0.843	22		350	1155	1156	32	28	-0.8	0
351	1328	are and a start of the start of	<u> 2.841</u>	1.9		351	1156	1166	32	28	-1.3	0.:
352	1329		2.841	2.2		352	1157	1158	63	. 78	0.9	0.
353	1330		0.828	0.0		353	1157	1171	63	44	-1.5	0.
354	1331	A DECEMBER OF THE OWNER AND A	0.828	0.3		354	1158	1159	63	20	-0.6	0.0
355	1332	a send many measurements that we have a sense of the sense	0.830	. 1.3		355	1159	1160	63	16	-0.5	0.0
356	1333	and the first desires the second state of the	0.830	0.1		356	1159	1173	32	44	-0.5	0.
<u>357</u> 358	<u>1334</u> 1335	A REAL PROPERTY OF THE PARTY OF	0.830 0.830	1.2	ł	357 358	1160	<u>1161</u> 1162	<u>63</u>	30	-2 5	0.
359	1336		).832	3.1	· ŀ	359	1162	1163	63	16	-4.9	0.
360	1337		0.835	10	ŀ	360	1162	1175	63	48	-3.5	0.4
361	1338		0.835	1.0	ł	361	1163	1164	63	38	-4.4	0.1
362	1339		0.837	1.9	ł	362	1163	1176	63	48	-3.8	0.2
363	1340	and the second se	0.838	1.4	. 1	363	1164	1165	63	54	-7.0	0.4
364	1341	and the second rest of the second sec	0.841	1.2	1	364	1165	1166	63	90	-3.7	0.2
365	1342	(	0.842	3.3	÷ . [	365	1165	1179	63	44	-12.2	0.8
366 -	1343	(	0.839	1.2		366	1166	1232	32	40	•7.1	1.7
367	1344	(	0.840	1.2	÷ (	367	1169	1170	125	10	-625.5	10.1
368	1345		).838	17	ļ	368	1169	2101	125	50	625.5	10.
369	1346		0.839	14	ļ	369	1170	1372	125	156	-545.5	9.(
370	1347	and the state of the second seco	0.840	15	÷ļ	370	1170	1302	63	46	-79.8	5.2
371	1348		).835	0.0	́ ↓	371	1171	1173	63	100	-1.9	0.1
372	1349		<u>).835</u>	2.6	ł	372	1172	1174	125	100	-539.2	8.1
373	1350	and the second	). <u>836</u>		ł	373	1172	1309	32	46	-8.5	2.1
<u>374</u> 375	<u>1351</u> 1352		).838 0.0	2 2	. F	374	1173	1175	63	100	-3.4	0.2
375	1352	And so that the book of the second second shifts the second second second second second second second second se	).840 ).842	19	ŀ	375 376	<u>1174</u> 1174	1177	<u>-125</u> 63	110	-498.9	8.
377	1354	a second a second s	).842 ).837	0.1	_ F	375	1174	1315		46	-41.2	· 2.0
378	1355		0.838	0.0		378	1175	1170	<u>63</u> 63	16	- <u>7.3</u> -11.4	0.5
379	1356		1.838	01	ŀ	379	1177	1178	125		473.7	7.0
380	1357		.838	00	: F	380	1177	1321	63	46	-25.7	1.0
381	1358		.838	0.1	l	381	1178	1180	125	126	-449.1	7.
382	1359		0.838	0.1	: t	382	1178	1322	63	46	-25.2	1.0
383	1360	The second se	0.838	0.0	- t	383	1179	1239	63	102	•24.5	i
384	1361		0.838	0.6	ľ	384	1180	1241	125	74	-481.0	7.
385	1362	(	0.838	0.6	Ì	385	1180	1326	63	46	31.0	2 (
386	1363	and the summaries of the second states of the secon	0.840	0.9	Ì	386	1201	1203	63	56	0.0	0.0
387	1364	(	1.840	0.6	ľ	387	1202	1204	63	54	-0.3	0.0
388	1365	(	0.841	15	_ <b>[</b>	388	1203	1204	63	. 8	-4.2	0.1
389	1366		839	18	ſ	389	1203	1213	63	50	-12.3	0.1
390	1367		839	0.3	[	390	1204	1214	63	50	-5.1	0.1
391	1368		0.839	1.4	-[	391	1205	1216	32	94	•1.2	0
392	1369		839	1.0	_ [	392	1206	1207	32	18	0.0	0.0
393	1370	i · · · · · · · · · · · · · · · · · · ·	).841	1 2	- I	393	1207	1208	32	28	0.3	0.1

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		Non-second and the second s	-						
	<u>394 1371</u> 395 1401	0.837 0.3	<u>394</u> 395	1207	1209	<u>32</u> 32	28 50	<u>-1.0</u> -0.7	0.2
	396 1402	0.847 0.8	396	1209	1218	32	36	-1.8	0.4
	397 1403	0.849 1.5	397	1210	1211	32	14	0.0	0.0
	398 1404	0.851 1.9	398	1211	1220	32	36	-1.8	0.4
	399 1405	0.855 1.3	399	1212	1221	32	28	<u>0.0</u> -9.8	0.0
	400 1406	0.847 2.2 0.849 1.3	400 401	1213 1213	1214 1249	63 63	8 70	-3,1	0.6
	402 1408	0.847 1.3	402	1213	1215	63	6	-9.7	0.6
	403 1409	0.849 1.4	403	3214	1216	63	40	-5.5	0.3
A	404 1410	0.848 1.3	404	1215	1217	63	40	-1.8	0.3
D	405 1411 406 1412	0.852 0.8	405	1215	1250	<u>63</u> 63	64	-5.3 -5.9	0.3
	407 1413	0844 06	407	1216	1218	63	34	-2.4	01
	408 1414	0.846 0.9	408	1217	1219	63	34	-9.8	0.6
	409 1415	0847 09	409	1217	1226	32	104	-2.3	0.6
	410 1416 411 1417	0.844 0.9 0.845 1.8	410	1218 1218	1219 1220	<u>63</u> 63	4	<u>1.6</u> -6.1	<u>0.1</u> 0.4
	412 1418	0.845 1.0	412	1218	1220	63	<u> </u>	-7.5	0.5
	413 1419	0.846 1.0	413	1219	1251	32	36	-1.4	0.3
	414 1420	0.846 0.9	414	1220	1221	63	36	-8.3	0.5
	415 1421	0.844 2.3	415	1221	1222	63	4	-8.4	0.5
	416 1422	0.845 1.9 0.843 0.8	416	<u>1221</u> 1222	1255 1256	<u>32</u> 32	18 20	0.0	0.0 0.0
	418 1424	0.844 2.4	418	1222	1257	63	36	-16.5	1.0
	419 1425	0.844 1.9	419	1223	1258	32	64	-0.1	0.0
	420 1426	0.844 0.4	420	1224	1225	63	8	-6.7	0.4
	<u>421 1427</u> <u>422 1428</u>	0.842 0.5	421 422	1224 1224	1232	63 63	72	-11.5	0.7
	423 1429	0.842 0.9	423	1225	1250	63	40	17.0	1.1
	424 1430	0.843 0.8	424	1225	1226	63	40	-11.9	0.7
	425 1431	0.843 0.8	425	1225	1233	63	72	-12.4	0.8
8	426 1432 427 1433	0.842 0.4	426 427	1226 1226	<u>1227</u> 1234	63 32	34 72	-14.3 -3.0	0.9 0.7
281	427 1435	0.842 0.0	427	1227	1234	63	34	-14.8	0.9
	429 1435	0.842 0.0	429	1227	1253	32	34	2.5	0.6
: :	430 1436	0.842 0.4	430	1227	1235	32	72	-3.8	0.9
· · · ·	<u>431 2101</u> <u>432 2102</u>	0.790 0.0 0.789 0.0	<u>431</u> 432	1228 1228	1229 1236	<u>63</u> 32	16 72	-11.5	0.7
	432 2102 433 2104	0.789 0.0	432	1228	1230	63	36	-15.5	1.0
× 1 • • •	434 2120	0.727 0.6	434	1229	1254	32	34	3.3	0.8
	435 2127	0.728 0.0	435	1230	1258	63	40	18.6	12
1	436 2128	0.729 0.5	436	1230	1231	32	74	0.1	0.0
: • .	437 2130 438 2223	0.726 1.2 0.681 1.7	437 438	1230 1232	1237 1233	63 63	72 8	-35.0 -16.1	22
	439 2224	0.681 1.5	439	1232	1239	63	44	-3.0	02
	440 2225	0.679 1.0	440	1233	1234	63	40	19.9	12
	441 2226	0.679 1.3	441	1233	1240	63	44	-9.1	0.6
	<u>442</u> 2227 443 2233	0.677 1.3	<u>442</u> 443	1234 1235	1235	63 63	34	-24.6	1.5
	443 2235	0 692 2 6	443	1235	1230	32	44	-6.5	1.6
	445 2237	0.691 2.2	445	1236	1237	63	52	-29.3	1.8
	446 2238	0.690) 1.3	446	1237	1238	32	- 68	0.0	0.0
-	447 2242	0.693 1.2	447	1237	1245	63	44	-65.4	4.1
8	<u>448</u> 2243 449 2244	0.693 0.0 0.694 2.1	<u>448</u> 449	1239 1240	1240 1243	63 63	8 74	-28.1 -37.5	1.8
334	450 2245	0.693 1.3	450	1240	1242	125	8	-529.9	8.5
	451 2246	0.694 1.3	451	1241	1401	63	46	48.6	3.1
	452 2248	0.697 1.7	452	1242	1244	125	72	-583.1	9.3
	453 2249	0.699 1.9	453 454	1242 1243	<u>1402</u> 1245	63 63	46 86	52.8 -44.7	<u>3.3</u> 2.8
	454 2250 455 2253	0.699 2.1	455	1243	1245	125	88	-600.5	9.5
	456 2254	0.718 3.2	456	1244	1404	32	46	16.7	4.1
	457 2256	0.703 1.3	457	1245	1246	100	24	-110.5	2.1
	458 2257	0.702 0.6	458	1246	1405	63	46	146.9	9.2
	459 2258 460 2259	0.703 2.2 0.704 1.2	459 460	1246 1249	1248 1250	125 63	292 8	-858.2	<u>13.6</u> 0.7
		and a strength and the	h	المكنية فترسط			L¥L		
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	461	2260		0.672	1.3	: <b>C</b>	461	1251	1252	· 32	50	-1.0	03
	462	2261		0 672	08		462	1251	1253	32	34	-1.8	0.4
	463	2262		0.672	0.9		463	1252	1254	32	34	12	0.3
	46-1	2263	مىلىغانى كىرىك مەركىي مىل بىرىمەر بىل بىلىمەرىك بىل مەركى مەركى بىل مەركى بىل مەركى مەركى مەركى مەركى مەركى مە مەركى بىل مەركى مەركى مەركى مەركى بىل مەر	0.671	1.0		464	1252	1257	32	36	12	0.3
	465	2264	THE REAL PROPERTY AND ADDRESS OF THE OWNER ADDRESS OF	0.671	22		465	1253	1254	32	50	-0.7	0.2
	466	2265		0.671	22		466	1257	1258	<u>63</u> 32	28 14	0.0	1.1
	467 468	2266 2267		0.672	1.8		467 468	1302	1302	63	40	-80.0	5.2
	469	2268	والمحكمة الالدمانينة بوتوريبون الوترابيكانا المتوندين	0.673	2.7		469	1303	1304	32	18	0.0	0.0
	470	2269		0.670	1.5	-	470	1303	1305	63	36	-80.9	5.2
	471	2270		0.670	1.5		471	1305	1306	32	22	0.1	0.0
	472	2271		0.670	1.3		472	1305	1307	63	34	-81.9	5.3
	473	2272		0.670	15		473	1307	1308	32	24	0.3	0.1
1.1	474	2273		0.669	1.7	2.00	474	1307	1309	63	44	-83.1	5.3
· · · ·	475	2302		0.674	2.3		475	1309	1310	32	46	-92.2	0.0
	476	2303 2304		0.673	2.8 3.3	· ·	476 477	1309	1311	63 32	<u>36</u> 30	-92.2 -15.4	<u>5.9</u> 3.8
· .	477	2309		0.671	1.4		478	1311	1312	63	64	-78.5	5.0
	479	2310		0.670	2.4		479	1312	1313	32	30	-7.9	1.9
	480	2311		0.671	1.2		480	1312	1316	32	64	-9.1	2.2
	481	2312		0.669	1.8		481	1313	1314	32	8	0.0	0.0
	482	2313		0.668	2.8	1.244	482	1313	1317	32	64	-8.8	2 2
	483	2314		0.668	1.8		483	1315	1316	63	30	-46.3	2.9
	484	2315		0.668	1.8		484	1315	1318	63	44	.75.0	4.8
	485	2401	an a	0.779	0.0	and the second sec	485	1316	<u>1317</u> 1319	<u>63</u> 32	28 44	<u>-46.8</u> -9.8	3.0
	486 487	<u>2402</u> 2403	Nais metti lakuk Armades Perana ara atalahkanan ata	0.745	0.0		<u>486</u> 487	<u>1316</u> 1317	1331	63	34	-56.6	3.6
	488	2406		0.734	0.5		483	1318	1319	32	30	2.4	0.6
	489	2407		0.727	2.1		489	1318	1320	63	34	-78.5	5.0
	490	2408		0.728	0.4		490	1319	1332	32	64	-8.4	2.1
· · · ·	491	2409		0.727	0.6	le se	491	1320	1321	63	34	-75.6	4.8
	492	2410		0 7 4 2	0.0		492	1320	1336	32	94	-5 3	1.3
	493	2411		0.697	0.0		<u>493</u>	1321	1322	<u>63</u>	4	-73.4	4.6
e e ta	494	2414		0.726	0.0	· · · · ·	494	1321	3337	63	94	-28.7	1.8
	495 496	2415 2416		0.730	0.0 0.0		495 496	<u>1322</u> 1322	1323 1338	<u>63</u> 63	<u>36</u> 94	-71.2 -28.1	4.5
	497	2417		0.695	0.0		497	1323	1338	32	30	-28.4	2.1
1993 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	498	2418	· ·	0.695	0.0		498	1323	1326	63	90	-64.9	4.1
	499	2419		0.695	0.3		499	1324	1325	32	28	-1.6	0.4
	500	2420		0.695	0.5		500	1324	1328	32	90	-8.8	2.2
	501	2421		0.695	1.9		501	1325	1329	32	- 90	-8.4	2.1
	502	2422		0.695	15	-4	502	1325	1339	32	32	4.8	12
	503	2423		0 695	2.4		503	1326	1327	63	34	-68.0	43
· .	504	<u>2424</u> 2425	·····	0.695	2.3	1	<u>504</u> 505	1326	1328 1401	<u>63</u>	30 38	<u>32 1</u> -75.1	2.0
a (1944)	506	2501		0.696	2.1		506	1327	1342	32	94		1.2
	507	2502		0.696	1.0		507	1328	1329	63	28	21.4	1.3
:	508	2503		0.696	0.6		508	1329	1341	63	32	10.7	0.7
	509	2504		0.696	0.6	E.	509	1330	1331	32	6	0.0	0.0
1.	510	2505		0.696	3.7		510	1331	1332	63	44	-56.9	3.6
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	511	2506		0.697	0.0		511	1332	1334	32	34	1.8	0.4
	512	2507		0.723	19		<u>512</u>	1332	1336	63	34	-68.4	
	<u>513</u> 514	2508 2509		0.719	2.4		513 514	<u>1333</u> 1334	<u>1334</u> 1335	32 32	<u> </u>	01	0.0
	515	2510	· · · · · · · · · · · · · · · · · · ·	0.724	0.8		515	1336	1337	63	34	0.5 -70.4	4.5
	516	2511		0.726	0.0		516	1336	1349	32	106	-6.3	1.5
	517	2512		0.705	2.1		317	1337	1338	63	4	-69.0	4.4
	518	2513		0.710	1.9		518	1337	1350	63	108	-31.2	2.0
	519	2514		0.711	1.3		519	1338	1339	63	34	-64.8	41
	(	2515		0.678	1.4		520	1338	1358	63	148	-33.4	2.1
	520	10010		0.672	1.3		521	1339	1340	63	30		3.6
	521	2516			1.9		522	1339	1345	32	78	5.6	14
	521 522	2517		0.671									
	521 522 523	2517 2518		0.671	1.9		523	1340	1341	63	60	-52 7	33
	521 522 523 524	2517 2518 2519		0.671 0.669	1.9 1.7		523 524	1340 1340	1343	32	52	-5.1	1.2
	521 522 523 524 525	2517 2518 2519 2520		0.671 0.669 0.669	1.9 1.7 1.5		523 524 525	1340 1340 1341	1343 1342	<u>32</u> 63	52 34	-5.1 -58.8	12
	521 522 523 524	2517 2518 2519		0.671 0.669	1.9 1.7		523 524	1340 1340	1343	32	52	-5.1 -58.8 15.7	1.2

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			painten 'n maar in anderse kan de staat in die staat of als gewant in										
	528	2523		0.670		52	ACCRET AND A	1342	1353	32	106	22	0.5
	-529	2524	in The Print real and a literature in the Aria of Stational	0.675	29	52	9	1343	1344	. 32	60	-6.4	1.6
	-530	2525		0.676	1.5	53	Columbia de	1343	1346	32	28	0.2	0.0
	531	2526		0.674	- 1.8	53	1	1344	1347	63	28	8.1	0.5
	532	2527		0.671	3 2	53		1345	1346	32	30	-5.6	1.4
	533	2528		0.667	1.8	53	3	1345	1351	32	28	.1.7	0.4
	534	2529		0.667	23	53	4.	1346	1317	32	60	-6.8	1.7
	535	2530		0.672	0.5	53	5	1347	1352	63	28	-0.2	0.0
	536	2535	ander alle paint de la construire de la construire des pointes des	0.722	1.2	53		1348	1349	32	22	0.0	0.0
	537	2536		0.722	1.4	53	7	1349	1350	32	34	-8.9	2.2
	538	2537	anning an dia minina ann a an dh' an	0.723	1.3	53		1350	1371	63	40	-41.7	2.6
9	539	2538	***************************************	0.720	10	53	9	1351	1352	32	- 90	-6.2	1.5
3	540	2539		0.721	1.8	54		1351	1361	32	40	2.4	0.6
	54)	2540	in a second to the second s	0.722	15	54		1352	1353	32	34	•9.1	2 2
	542	2541		0 722	03	54		1352	1363	63	40	08	0.1
	543	2542	· · · · · · · · · · · · · · · · · · ·	0715	1.3	54		1353	1423	32	38	-9.3	2.3
	544	2543		0715	12	54	_	1354	1371	63	46	-0.1	0.0
1	545	2544		0.716	1.7	54		1355	1356	63	42	0.0	0.0
	546	2545		0.687	0.9			1356	1357	63	34	0.0	0.0
	547	2546		0.686	1.0	- 54		1356	1359	63	4	-0.1	0.0
	548	2547	. The Burger of State Street Street States	0.687	0.9	54		1358	1359	63	8	-37.3	2.4
	549	2548	a an	0 690	1.5	54	_	1358	1361	63	34	-38.3	2.4
	550	2549		0.690	1.0	55	-	1358	1371	63	4	42.1	2.7
	551	2559		0.698	1.8	55		1359	1360	32	40	0.0	0.0
	552	2560		0.697	28	55		1359	1362	63	34	-37.6	2.4
	553	2561		0 701	1.7	55		1361	1363	63	<b>9</b> 0	-36.6	2.3
1. L	554	2562		0.701	2.6	- 55		1362	1364	63	90	-36.0	2.3
1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -	555	2563		0.710	1.3	55		1362	1366	32	98	-2.3	0.6
	556	2564		0.718	1.3	55		1363	1364	63		5.4	0.3
	557	2565	1	0.716	1.5	55		1363	1436	63	74	-42.0	2.7
	558	2566		0.705	2.7	55		1364	1365	63		-38.0	2.4
	559	2568	and all the second states in the supervised states and	0.702	1.2	55		1364	1368	32	40	6.7	1.7
a	560	2569		0.702	1.9	56		1365	1427	63	38	-40.6	2.6
	561	2570	and and the Contract of the South of the Contract of the South of the Contract of the South of the South of the	0.704	3.2	56		1365	1370	32	88	1.2	0.3
3	562	2571	and the second se	0.709	2.2	56		1366	1367	32	24	0.3	0.1
	563	2586		0.668	1.4	56		1366	1368	32	34	-4.3	11
	564	2587		0.686	0.8	56		1368	1369	32	54	1.0	0.3
	565	2601		0.667	1.0	56	5	1401	1402	63	8	-67.8	4.3
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	565	2602		0.667	1.2	56	6	1401	1412	63	94	40.7	2.6
	567	2603		0.666	1.3	56	7	1402	1403	63	- 38	-59.2	3.7
	568	2604		0.666	1.4	56	8	1402	1413	63	94	43.5	2.7
1 - 1 - 1	569	2605		0.667	2.6	56	9	1403	1404	63	34	-67.5	4.2
1	-570	2606		0.667	1.0	57	0	1403	1406	32	64	6.7	1.6
	-571	2607		0.667	0.9	57	1	1404	1405	63	88	-62.7	3.9
	572	2608		0.667		57	2	1404	1407	32	34	10.0	2.4
	573	2610		0.667	0.9	57		1405	1411	63	36	82.9	5.2
	574	2611	i Na sa	0.665	1.3	57		1406	1408	32	34	-3.4	0.8
	575	2612		0.666	0.6	57		1406	1417	32	68	8.0	1.9
	576	2613		0.665	2.7	57		1407	1408	32	28	10.8	2.6
	577	2614		0.665	1.3	57		1407	1409	32	52	-2.1	0.5
1. Th	578	2615		0.664	1.2	57		1408	1410	32	52	-1.1	0.3
	579	2619		0.665	2.1	57		1408	1414	32	28	7.3	1.8
	580	2620		0.666	1.0	58		1409	1410	32	28	10.2	25
	581	2637		0.665	1.3	58		1409	1411	32	36	-13.6	3.3
8	582	2638		0.665	0.6	58		1410	1415	32	28	7.7	1.9
	583	2639		0.664	0.6	58		14)1	1420	63	96	68.5	43
-	584	2640		0.664	0.6	58		1412	1413	63	8	-37.8	2.4
	585	2641		0.665	23	58		1412	1423	63	106	17.9	1.1
	586	2642		0.664	23	58		1413	1416	61	38	5.0	03
	587	2643		0 664	2.6	58		1414	1415	32	52	-0.4	0.1
	588	2644		0.664	0.6	58		1414	1418	32	38	6.8	1.6
	589	2647		0 664	0.6	58		1415	1419	32	38	6.5	1.6
	590	2650		0 664	4.7	59		1416	1417	63	38	-29.2	1.8
	591	2651		0.664	2.6	59		1416	1428	63	110	33.3	21
	592	2652		0 66 1	0.6	59		1417	1418	63	34	-28.8	1.8
	593	2653		0 66 1	4.7	59		1417	1421	))	36	5.8	1.4
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5 5 7 8	0.696 0.696 0.696	1.9	612	1429	<u>. 1431</u>	63	168	-20.3	1.3
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7	0.696		613	1430	1431	63	122	-18.8	1.2
8		2.8	614	1432	1433	32	72	0.6	0.2
		1.7	615	1432	1435	63	40	0.0	0.0
3 L	0.696	2.4	616	2101	2102	125	14	625.5	10.3
	0.702	1.4	617	2102	2401	125	74	625.5	10.4
0	0.702	22	618	2104	2401	125	142	-625.5	10.5
]	0.702	1.2	619	2104	2403	125	114	625.5	10.6
2	0.702	1.2	620	2120	2128	32	36		2.4
4	0.694	1.4	621	2120	2407	32	20	0.9	0.2
5	0.694	0.9	622	2120	2507	32	104	7.7	2.0
6	0.694	1.2	623	2127	2128	63	4	-61.1	4.1
?	0.694	1.5	624	2127	2130	63	36	61.1	4.1
8	0.694	1.7	625	2128	2406	63	76	-70.8	4.7
9	0.693	2.6	626	2130	2508	63	148	<u> </u>	4.0
0	0.692	1.9	627	2223	2224	32	40	-1.7	0.4
1	0.693	0.9	628	2224	2225	63	38	63.0	4.4
2	0.695	2.7	629	2224	2238	61	144	-66.2	4.6
3	0.699	1.5	630	2225	2226	100	22	62.0	1.3
4	0.700		631	2226	2227	63	38	60.7	4.2
5	0.698	2.4	632	2227	2302	32	36	12.7	3.4
6	0.698	1.8	633	2227	2268	63	112	46.7	3.2
7	0.696	4.1	634	2233	2237	32	30	-17	0.4
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CONTRACTOR OF A DESCRIPTION OF A DESCRIP	Concernent and an other states in the second	1.0	638 639	2237 2238 2242	2238 2245 2243	32 63 32	36 38 40 6	-7.3 0.9 -66.6 -4.7	1.9 0.2 4.6 1.3
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3       4       5       6       7       8       9       0       1       2       3	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.654 0.654 0.654 0.654 0.654	10 06 14 26 12 22 32 0.1 14 23 0.1 14 23 18 32 15	638 639 640 641 642 643 644 645 646 645 646 647 648 649 650 651	2237 2238 2242 2242 2243 2244 2244 2244 2245 2246 2248 2246 2248 2249 2249 2250 2253 2254	2238 2245 2243 2245 2244 2246 2246 2246 2250 2249 2250 2249 2250 2257 2514 2558	32 63 32 63 32 32 63 63 32 63 32 32 63 32 63 32 63 32 63	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 38	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.6 -71.6 -71.6 -9.7 -0.7 -0.7 -10.9 -74.3 -1.8 -1.8	1.9           0.2           4.6           1.3           0.3           1.3           0.3           2.1           4.9           4.9           2.6           0.2           2.9           5.1           0.5           1.2
3       4       5       6       7       8       9       0       1       2       3       4       5	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.658 0.659	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22	638 639 640 641 642 643 644 645 646 647 648 647 648 649 650 651 652	2237 2238 2242 2242 2243 2244 2244 2244 2245 2246 2248 2249 2249 2249 2249 2250 2253 2254 2254	2238 2245 2243 2245 2244 2246 2246 2246 2250 2249 2250 2249 2250 2257 2514 2250 2251 2514 2254 2508 2513	32 63 32 63 32 32 63 63 32 63 32 63 32 63 32 63 32 63 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 38 92	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.0 9.7 -0.7 -10.9 -74.3 -1.8 -1.8 0 13.0	1.9           0.2           4.6           1.3           0.3           1.3           0.3           2.1           4.9           4.9           2.6           0.2           2.9           5.1           0.5           1.2           3.4
3       4       5       6       7       8       9       0       1       2       3       4       5       6	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659	10 06 14 26 12 22 32 0.1 14 23 0.1 14 23 18 32 15 22 21	638 639 640 641 642 643 644 645 646 647 648 647 648 649 650 651 652 653	2237 2238 2242 2242 2243 2244 2244 2244 2245 2246 2248 2249 2249 2249 2250 2253 2254 2254 2254 2254	2238 2245 2243 2245 2244 2246 2246 2250 2249 2250 2249 2250 2251 2514 2551 2514 2558 2513 2257	32 63 32 63 32 32 63 63 32 63 32 32 63 32 63 32 63 32 32 63 32 32 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 38 92 52	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.8 -10.9 -74.3 -1.8 -1.8 0 13.0 -3.6	1.9           0.2           4.6           1.3           0.3           1.3           0.3           2.1           4.9           4.9           2.6           0.2           2.9           5.1           0.5           1.2           3.4
3       4       5       6       7       8       9       0       1       2       3       4       5       6       7	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.658 0.659	10 06 14 26 12 22 32 0.1 14 23 0.1 14 23 18 32 15 22 21 2.1 1.7	638 639 640 641 642 643 644 645 646 647 646 647 648 649 650 651 652 653 654	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2246 2248 2249 2249 2250 2253 2254 2254 2254 2256 2256	2238 2245 2243 2245 2244 2246 2246 2246 2250 2249 2250 2249 2250 2257 2514 2558 2513 2513 2257 2258	32 63 32 63 32 32 63 63 32 63 32 32 63 32 63 32 63 32 63 32 232 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 38 92 52 34	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.8 -18.0 13.0 -3.6 -4.9	1.9           0.2           4.6           1.3           0.3           1.3           0.3           2.1           4.9           4.9           2.6           0.2           2.9           5.1           0.5           1.2           3.4           1.0           1.3
3     4       5	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.659	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22 21 2.1 1.7 23	638 639 640 641 642 643 644 645 646 647 648 646 647 648 649 650 651 652 653 655	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2246 2248 2249 2249 2250 2253 2254 2255 2255 2255 2255	2238 2245 2243 2245 2244 2246 2246 2246 2250 2249 2250 2249 2250 2257 2514 2508 2513 2513 2513 2257 2258 2512	32 63 32 63 32 32 63 63 32 63 32 32 63 32 63 32 63 32 63 32 32 232 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 38 92 52 34 80	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.8 -18.0 13.0 -3.6 -4.9 -7.9	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1
3     4       5	0.701 0.701 0.699 0.699 0.698 0.698 0.698 0.694 0.694 0.694 0.694 0.694 0.694 0.693 0.693 0.693 0.693 0.693 0.693 0.693 0.693 0.693	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22 21 2.1 1.7 23 1.4	638 639 640 641 642 643 644 645 646 647 648 646 647 648 649 650 651 652 655 655 655	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2246 2248 2249 2249 2250 2253 2254 2255 2255 2255 2255 2255 2255	2238 2245 2243 2245 2244 2246 2246 2250 2250 2250 2250 2250 2251 2514 2508 2513 2513 2513 2513 2558 2512 2259	32 63 32 63 32 32 63 63 32 63 32 32 63 32 63 32 63 32 63 32 32 32 32 32 32 32 32 32 32 32 32 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 38 92 52 34 80 60	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.6 -71.8 -18.0 13.0 -3.6 -4.9 -7.9 -3.6	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1
3       4       5       6       7       8       9       0       1       2       3       4       5       6       7       8       9       0	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.658 0.658	$ \begin{array}{r} 10\\ 06\\ 14\\ 26\\ 12\\ 22\\ 32\\ 01\\ 14\\ 23\\ 18\\ 32\\ 15\\ 22\\ 21\\ 1.7\\ 23\\ 14\\ 1.9 \end{array} $	638 639 640 641 642 643 644 645 646 647 648 646 647 648 649 650 651 652 655 655 655 655 655	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2246 2248 2249 2249 2250 2253 2254 2255 2255 2255 2255 2255 2258 2258	2238 2245 2243 2245 2244 2246 2246 2250 2249 2250 2257 2514 2250 2257 2514 2508 2513 2513 2513 2513 2512 2259 2259 2259 2259	32 63 32 63 32 32 63 63 63 32 32 63 32 63 32 63 32 63 32 32 32 32 32 32 32 32 32 32 32 32 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 38 92 52 34 80 60 60 62	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.9 -74.3 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8 -1.8	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1         0.9
3       4       5       6       7       8       9       0       1       2       3       4       5       6       7       8       9       0       1	0.701 0.701 0.699 0.699 0.698 0.698 0.698 0.694 0.694 0.694 0.694 0.694 0.694 0.693 0.693 0.693 0.693 0.693 0.693 0.693 0.698 0.698 0.698	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22 21 2.1 1.7 23 1.4 1.9 1.9	638 639 640 641 642 643 644 645 646 647 648 646 647 648 649 650 651 652 653 655 655 655 655 655	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2249 2249 2249 2249 2250 2253 2254 2254 2255 2255 2255 2255 2258 2259	2238 2245 2243 2245 2244 2246 2246 2250 2250 2250 2250 2250 2251 2514 2508 2513 2514 2508 2513 2554 2513 2558 2512 2259 2259 2259 2259 2512	32 63 32 63 32 32 32 63 63 32 32 63 32 63 32 63 32 63 32 32 63 32 32 32 32 32 32 32 32 32 32 32 32 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 38 92 52 34 80 60 62 32	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.5 -71.	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1         1.0         0.9         2.2
3       4       5       6       7       8       9       0       1       2       3       4       5       6       7       8       9       0       1       2	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.658 0.658 0.658 0.658 0.658	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22 21 2.1 1.7 23 1.4 1.4 1.9 1.9 2.6	638           639           640           641           642           643           644           645           646           647           648           649           650           651           652           653           654           655           655           656           657           658           659	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2249 2249 2249 2249 2249 2250 2253 2254 2255 2255 2255 2255 2258 2258 2259 2260	2238 2245 2243 2245 2244 2246 2246 2250 2250 2250 2250 2250 2251 2514 2508 2513 2514 2508 2513 2554 2513 2555 2512 2159 2159 2512 2512 22512 22512 22512	32           63           32           63           32           32           32           63           32           63           32           63           32           63           32           63           32           63           32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 38 92 52 34 80 60 62 32 16	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.5 -71.	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1         1.0         0.9         2.2         2.0
3     4       5     5       6     7       7     7       8     7       3     7       6     7       8     9       9     0       1     2       3     3	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.658 0.659	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22 21 2.1 1.7 23 1.4 1.9 1.9 2.6 1.3	638           639           640           641           642           643           644           645           646           647           648           649           650           651           652           653           655           650	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2249 2249 2249 2249 2249 2250 2253 2254 2254 2255 2255 2255 2255 2255	2238 2245 2243 2245 2244 2246 2246 2250 2250 2250 2250 2250 2250 2251 2514 2508 2513 2514 2508 2513 2558 2513 2558 2512 2259 2159 2159 2512 2261 2263	32 63 32 63 32 32 63 63 32 63 32 32 63 32 63 32 32 63 32 32 32 32 32 32 32 32 32 32 32 32 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 36 252 38 92 92 34 80 60 62 32 16 36	-7.3 0.9 -66.6 -4.7 -3.7 -4.7 1.2 -8.0 -71.6 -71.6 -71.6 -71.6 -9.7 -0.7 -0.7 -10.9 -74.3 -1.8 -1.8 0 13.0 -3.6 -4.9 -7.9 -3.6 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1         1.0         0.9         2.2         2.0         2.8
3       4       5       6       7       8       9       0       1       2       3       4       5       6       7       8       9       0       1       2	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.658 0.658 0.658 0.658 0.658	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22 21 2.1 1.7 23 1.4 1.4 1.9 1.9 2.6 1.3	638           639           640           641           642           643           644           645           646           647           648           649           650           651           652           653           654           655           655           656           657           658           659	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2249 2249 2249 2249 2249 2250 2253 2254 2255 2255 2255 2255 2258 2258 2259 2260	2238 2245 2243 2245 2244 2246 2246 2250 2250 2250 2250 2250 2251 2514 2508 2513 2514 2508 2513 2554 2513 2555 2512 2159 2159 2512 2512 22512 22512 22512	32           63           32           63           32           32           32           63           32           63           32           63           32           63           32           63           32           63           32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 38 92 52 34 80 60 62 32 16	-7.3 0.9 -56.6 -4.7 -3.7 -4.7 1.2 -80 -71.6 -71.5 -71.	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1         1.0         0.9         2.2         2.0
3     4       5     5       6     7       8     9       0     1       2     3       4     5       5     6       7     8       9     0       1     2       3     1       2     3       3     1       2     3	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.658 0.659	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22 21 2.1 1.7 23 1.4 1.9 1.9 2.6 1.3	638           639           640           641           642           643           644           645           646           647           648           649           650           651           652           653           655           650	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2249 2249 2249 2249 2249 2250 2253 2254 2254 2255 2255 2255 2255 2255	2238 2245 2243 2245 2244 2246 2246 2250 2250 2250 2250 2250 2250 2251 2514 2508 2513 2514 2508 2513 2558 2513 2558 2512 2259 2159 2159 2512 2261 2263	32 63 32 63 32 32 63 63 32 63 32 32 63 32 63 32 32 63 32 32 32 32 32 32 32 32 32 32 32 32 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 36 252 38 92 92 34 80 60 62 32 16 36	-7.3 0.9 -66.6 -4.7 -3.7 -4.7 1.2 -8.0 -71.6 -71.6 -71.6 -71.6 -9.7 -0.7 -0.7 -10.9 -74.3 -1.8 -1.8 0 13.0 -3.6 -4.9 -7.9 -3.6 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1         1.0         0.9         2.2         2.0         2.8
3     4       5     5       6     7       8     9       0     1       2     3       4     5       5     6       7     8       9     0       1     2       3     1       2     3       3     1       2     3	0.701 0.701 0.659 0.659 0.658 0.658 0.658 0.658 0.658 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.659 0.658 0.659	10 06 14 26 12 22 32 0.1 14 23 18 32 15 22 21 2.1 1.7 23 1.4 1.9 1.9 2.6 1.3	638           639           640           641           642           643           644           645           646           647           648           649           650           651           652           653           655           650	2237 2238 2242 2243 2244 2244 2244 2245 2246 2248 2249 2249 2249 2249 2249 2250 2253 2254 2254 2255 2255 2255 2255 2255	2238 2245 2243 2245 2244 2246 2246 2250 2250 2250 2250 2250 2250 2251 2514 2508 2513 2514 2508 2513 2558 2513 2558 2512 2259 2159 2159 2512 2261 2263	32 63 32 63 32 32 63 63 32 63 32 32 63 32 63 32 32 63 32 32 32 32 32 32 32 32 32 32 32 32 32	36 38 40 6 128 36 94 80 6 80 52 40 36 152 40 36 152 40 36 252 38 92 92 34 80 60 62 32 16 36	-7.3 0.9 -66.6 -4.7 -3.7 -4.7 1.2 -8.0 -71.6 -71.6 -71.6 -71.6 -9.7 -0.7 -0.7 -10.9 -74.3 -1.8 -1.8 0 13.0 -3.6 -4.9 -7.9 -3.6 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5 -3.5	1.9         0.2         4.6         1.3         0.3         1.3         0.3         2.1         4.9         4.9         4.9         2.6         0.2         2.9         5.1         0.5         1.2         3.4         1.0         1.3         2.1         1.0         0.9         2.2         2.0         2.8
3 4 5 6 7 8 9 0 1 2 3 4 5 6 7		0.701 0.701 0.701 0.699 0.699 0.698 0.698 0.698 0.698 0.698 0.694 0.694 0.694 0.694 0.694 0.694 0.694 0.693 0.693 0.693 0.693	0.701         1.3           0.701         1.0           0.701         1.0           0.701         0.6           0.701         1.4           0.699         2.6           0.699         2.6           0.699         1.2           0.698         2.2           0.698         3.2           0.698         0.1           0.694         1.4           0.694         1.3           0.694         1.3           0.694         1.8           0.693         1.5           0.693         2.1           0.693         2.1           0.693         1.7	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

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662												
	2855	[	0.698	0.0		662	2261	2262	63	36	36.4	25
663	2856		0.696	3.1		663	2261	2515	63	94	-65.7	4.6
664	2857		0.696	0.3		664	2262	2516	32	- 34	-1.9	0.5
665	2858		0.696	1.0		665	2262	2520	63	98	37.4	2.6
666	2859	and the second	0.696	3.3		666	2263	2264	32	36	5.2	].4
667	2860	and the first of the second	0.696	2.6		667	2263	2519	63	- 98	34.6	24
668	2861		0.696	1.5		668	2264	2265	32	92	-1.7	0.5
669	2862		0.695	1.4		669	2264	2272	32	62	4.7	1.3
670	2863	- and the second se	0.6%	2.6	i	670	2265	2266	32	32	-8.9	2.4
611	2864		0.695	2.3		671	2265	2269	32	32	5.0	14
672	2865		0.695	2 2		672	2266	2267	32	34	-1.8	0.5
673	2866		0.693	26		673	2266	2268	63	36	-30.5	21
614	2867		0.701	1.5		674	2266	2309	63	96	21.6	
675	2902		0.693			675		the state of the s				1.5
the summariant summarian summarian		بالمحكمة المحكمة من حرين مرسية المحكمة		<u> </u>	1		2267	2302	32	86	-19	1.3
676	2903		0.693			676	2267	2304	32	62	0.7	0.2
677	2909		0.692	19		671	2269	2270	32	36	4.4	1.2
678	2910		0.692	1.0		678	2269	2310	32	64	-1,0	0.3
679	2911		0.692	09		679	2270	2271	32	52	2.0	0.5
680	2912		0.692	1.5		680	2270	2271	32	53	0.9	0.3
681	2913		0.692	2.3		681	2271	2272	32	32	1.6	0.4
682	2914		0.692	1.7		682	2272	2273	32	36	4.8	1.3
683	2915		0.692	1.5		683	2273	2310	32	92	-4.2	1.1
684	2916		0.693	1.2		684	2273	2519	32	36	1.0	0.3
685	2917		0.692	1.7		685	2273	2586	32	36	6.4	1.7
686	2918		0.693	1.7		686	2302	2303	32	32	5.4	1.5
687	2919	·	0.693	1.2		687	2303	2304	32	120	2.6	0.7
688	2920		0.693	1.0		688	2309	2310	32	32	7.6	2.1
689	2921		0.693	1.9		689	2309	2311	63	36	12.6	0.9
690	2922		0.693	2 2	Ì	690	2311	2312	32	34	11.4	3.1
691	2923	rankin and and double printers adapted for	0.693	0.0		691	2312	2313	32	58	4.0	1.1
692	2951		0.692	3.6	Ì	692	2312	2314	32	- 28	5.7	1.5
693	3101		0.686	0.4	Ì	693	2313	2314	32	86	0.8	0.2
694	3102		0.686	13	••	694	2313	2586	32	32	0.3	0.1
695	3103		0.686	0.4		695	2314	2315	32	34	47	1.3
696	3104		0.686	26		696	2315	2605	32	90	2.9	0.8
697	3105		0.686	î i		697	2402	2403	32	68	0.0	0.0
698	3106		0.686	1.9	: 1	698	2403	2410	125	28	625.5	10.6
699	3107		0.686	0.0		699	2406	2408	32	36	18.2	4.7
700	3113		0.685	0.0		700	2406	2410	63	70	-89.5	6.0
701	3115		0.685	1.8		703	2407	2408	32	36	-8.1	2.1
702	3115		0.686	Contraction of the local division of the loc		702	2407	2509	32	and the second se	-0.1	
702	3117					102	1 2407 3	2202		1001	60	10
703				0.8	1	202		A DESCRIPTION OF TAXABLE PARTY.		108	6.9	1.8
1 11 10	Contraction of the local division of the loc		0.686	1.5		703	2408	2409	32	26	9.7	25
Section 201	3118		0.686 0.686	1.5 1.9		704	2408 2409	2409 2510	32 32	26 82	9.7 5.4	2.5 1.4
705	3118 3119		0.686 0.686 0.687	1.5 1.9 1.0		704 705	2408 2409 2409	2409 2510 2511	32 32 32	26 82 90	9.7 5.4 3.7	25 14 10
705	3118 3119 3120		0.686 0.686 0.687 0.685	1.5 1.9 1.0 1.5		704 705 706	2408 2409 2409 2410	2409 2510 2511 2415	32 32 32 125	26 82 90 118	9.7 5.4 3.7 536.0	25 14 10 9.1
705 706 707	3118 3119 3120 3121		0.686 0.686 0.687 0.685 0.685	1.5 1.9 1.0 1.5 0.8		704 705 706 707	2408 2409 2409 2410 2411	2409 2510 2511 2415 2506	32 32 32 125 63	26 82 90 118 240	9.7 5.4 3.7 536.0 0.0	25 14 10 91 00
705 706 707 708	3118 3119 3120 3121 3204		0.686 0.686 0.687 0.685 0.685 0.686 0.694	1.5 1.9 1.0 1.5 0.8 0.0		704 705 706 707 708	2408 2409 2409 2410 2411 2411	2409 2510 2511 2415 2506 2415	32 32 32 125 63 32	26 82 90 118 240 40	9.7 5.4 3.7 536.0 0.0 -13.0	2 5 1 4 1 0 9 1 0 0 3 4
705 706 707 708 709	3118 3119 3120 3121 3204 3206		0.686 0.686 0.687 0.685 0.685 0.686 0.694 0.694	1.5 1.9 1.0 1.5 0.8 0.0 0.0		704 705 706 707 708 709	2408 2409 2409 2410 2411 2414 2414	2409 2510 2511 2415 2506 2415 2511	32 32 32 125 63 32 32	26 82 90 118 240 40 50	9.7 5.4 3.7 536.0 0.0 -13.0 0.9	2.5 1.4 10 9.1 00 3.4 02
705 706 707 708 709 710	3118 3119 3120 3121 3204 3206 3207		0.686 0.687 0.687 0.685 0.685 0.686 0.694 0.694 0.694	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0		704 705 706 707 708 709 710	2408 2409 2409 2410 2411 2414 2414 2414	2409 2510 2511 2415 2506 2415 2511 2537	32 32 32 125 63 32 32 32 32	26 82 90 118 240 40 50 44	9.7 5.4 3.7 536.0 0.0 -13.0 0.9 12.1	2 5 1 4 1 0 9 1 0 0 3 4 0 2 3 2
705 706 707 708 709 710 711	3118 3119 3120 3121 3204 3206 3207 3208		0.686 0.687 0.685 0.685 0.686 0.694 0.694 0.694 0.694 0.693	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415	2409 2510 2511 2415 2506 2415 2511 2537 2541	32 32 32 125 63 32 32 32 32 125	26 82 90 118 240 40 50 44 78	9,7 5,4 3,7 536,0 0,0 -13,0 0,9 12,1 523,0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 3.2 9.0
705 706 707 708 709 710 711 711 712	3118 3119 3120 3121 3204 3206 3207 3208 3223		0.686 0.687 0.683 0.685 0.684 0.694 0.694 0.694 0.693 0.693	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 711 712	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420	32 32 32 125 63 32 32 32 32 125 32	26 82 90 118 240 40 50 44 78 72	9,7 5,4 3,7 536,0 0,0 -13,0 0,9 12,1 523,0 0,0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 3.2 9.0 0.0
705 706 701 708 709 710 711 711 712 713	3118 3119 3120 3121 3204 3206 3207 3208 3223 3224		0.686 0.687 0.683 0.685 0.686 0.694 0.694 0.694 0.694 0.693 0.685 0.685	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 711 712 713	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419	32 32 32 125 63 32 32 32 32 125 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58	9.7 5.4 3.7 536.0 0.0 -13.0 0.9 12.1 523.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714	3118 3119 3120 3121 3204 3206 3207 3208 3223 3224 3225		0.686 0.687 0.683 0.683 0.685 0.694 0.694 0.694 0.694 0.693 0.685 0.685	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44	9.7 5.4 3.7 536.0 0.0 -13.0 0.0 12.1 523.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0 0.0
705 706 701 708 709 710 711 711 712 713	3118 3119 3120 3121 3204 3206 3207 3208 3223 3224 3225 3226		0.686 0.687 0.683 0.683 0.685 0.694 0.694 0.694 0.694 0.693 0.685 0.685 0.686	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714 715	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2420	32 32 32 125 63 32 32 32 125 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30	9.7 5.4 3.7 536.0 0.0 13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0 0.0 0.0 0.2
705 706 707 708 709 710 711 712 713 714 715 716	3)118 3)119 3)120 3)204 3)206 3)207 3)208 3)273 3)274 3)225 3)226 3)227		0.686 0.687 0.683 0.685 0.686 0.694 0.694 0.694 0.694 0.693 0.685 0.685 0.686 0.686	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714 715 716	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2420 2424	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28	9.7 5.4 3.7 536.0 0.0 -13.0 0.0 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0 0.0 0.0 0.2 0.2
705 706 707 708 709 710 711 712 713 714 715 716 717	3118 3119 3120 3121 3204 3206 3207 3208 3223 3224 3225 3226		0.686 0.687 0.683 0.683 0.685 0.694 0.694 0.694 0.693 0.685 0.685 0.685 0.686 0.689 0.677	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714 715	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2420	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30	9.7 5.4 3.7 536.0 0.0 13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716	3)118 3)119 3)120 3)204 3)206 3)207 3)208 3)273 3)274 3)225 3)226 3)227		0.686 0.687 0.683 0.685 0.686 0.694 0.694 0.694 0.694 0.693 0.685 0.685 0.686 0.686 0.689	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714 715 716	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2420 2424	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28	9.7 5.4 3.7 536.0 0.0 -13.0 0.0 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0 0.0 0.0 0.2 0.2
705 706 707 708 709 710 711 712 713 714 715 716 717 718	3)118 3)119 3)120 3)204 3)206 3)207 3)208 3)273 3)274 3)225 3)226 3)227 3)226 3)227 3)208		0.686 0.687 0.683 0.683 0.685 0.694 0.694 0.694 0.693 0.685 0.685 0.685 0.686 0.689 0.677	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714 715 716 717	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2420	2409 2510 2511 2415 2506 2415 2511 2537 2541 2419 2419 2419 2419 2420 2424 2421	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30	9.7 5.4 3.7 536.0 0.0 13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716 717	3)118 3)119 3)120 3)204 3)206 3)207 3)208 3)273 3)274 3)226 3)227 3)228 3)273 3)274 3)226 3)273 3)274 3)226 3)273 3)274 3)276 3)276 3)278 30278 302778 302778 30278 302778 302778 302778 3027777777777777777777777777777		0.686 0.687 0.683 0.683 0.685 0.694 0.694 0.694 0.693 0.685 0.685 0.685 0.686 0.686 0.689 0.677 0.677	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714 715 716 717 718	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2420 2421	2409 2510 2511 2415 2506 2415 2511 2537 2541 2419 2419 2419 2419 2419 2420 2424 2421 2422	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30 28	9.7 5.4 3.7 536.0 0.0 -13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720	3118           3119           3120           3121           3204           3206           3207           3208           3223           3224           3225           3226           3225           3226           3227           3408           3409           3410		0.686 0.687 0.683 0.683 0.685 0.694 0.694 0.694 0.693 0.685 0.685 0.685 0.685 0.686 0.689 0.677 0.677 0.675	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2419 2420 2421 2422 2422	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2420 2424 2421 2422 2423 2424	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30 28 30 60	9,7 5,4 3,7 536,0 0,0 13,0 0,9 12,1 523,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721	3118           3119           3120           3121           3204           3206           3207           3208           3223           3224           3225           3226           3227           3408           3410           3411		0.686 0.687 0.683 0.685 0.685 0.694 0.694 0.694 0.694 0.693 0.685 0.685 0.685 0.685 0.685 0.685 0.677 0.677 0.675 0.675	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2419 2419 2420 2421 2422 2422 2422 2423	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2419 2420 2424 2421 2422 2423 2424 2425	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30 28 30 28 30 60 106	9.7 5.4 3.7 536.0 0.0 -13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 3.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716 717 718 716 717 718 719 720 721 722	3118           3119           3120           3121           3204           3206           3207           3208           3223           3224           3225           3226           3227           3408           3410           3411           3413		0.686 0.687 0.683 0.683 0.683 0.694 0.694 0.694 0.693 0.685 0.685 0.685 0.685 0.685 0.685 0.677 0.677 0.675 0.675 0.675	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704           705           706           707           708           709           710           711           712           713           714           715           716           717           718           719           720           721           722	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2419 2419 2420 2421 2422 2422 2423 2423	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2420 2424 2421 2422 2423 2424 2425 2501	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30 28 30 28 30 60 106 36	9.7 5.4 3.7 536.0 0.0 13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 3.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716 717 718 716 717 718 719 720 721 722 723	3118           3119           3120           3121           3204           3206           3207           3208           3223           3224           3225           3226           3227           3408           3410           3411           3413           3414		0.686 0.687 0.683 0.683 0.683 0.694 0.694 0.694 0.694 0.693 0.685 0.685 0.685 0.685 0.685 0.685 0.677 0.677 0.675 0.675 0.675	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704           705           706           707           708           709           710           711           712           713           714           715           716           717           718           719           720           721           722           723	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2419 2419 2420 2421 2422 2422 2423 2423 2424	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2420 2424 2421 2422 2423 2424 2425 2501 2425	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 72 58 44 30 28 30 28 30 28 30 60 106 36 64	9.7 5.4 3.7 536.0 0.0 13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 3.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716 717 718 716 717 718 719 720 721 722 723 724	3118           3119           3120           3121           3204           3206           3207           3208           3223           3224           3225           3226           3227           3408           3410           3411           3413           3414           3415		0.686 0.687 0.683 0.683 0.685 0.694 0.694 0.694 0.694 0.693 0.685 0.685 0.685 0.685 0.685 0.685 0.677 0.677 0.677 0.675 0.675 0.675 0.675 0.675	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704           705           706           707           708           709           710           711           712           713           714           715           716           717           718           719           720           721           722           723           724	2408 2409 2409 2410 2411 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2419 2419 2419 2420 2421 2422 2422 2422 2423 2423 2424 2425	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2420 2424 2421 2422 2423 2424 2422 2423 2424 2425 2501 2425 2501	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30 28 30 60 106 36 64 42	9.7 5.4 3.7 536.0 0.0 13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 3.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716 717 718 716 717 718 719 720 721 722 723 724 725	3118           3119           3120           3121           3204           3206           3207           3208           3223           3224           3225           3226           3227           3408           3410           3411           3412           3413           3414           3415           3416		0.686 0.687 0.687 0.685 0.686 0.694 0.694 0.694 0.693 0.683 0.683 0.683 0.685 0.685 0.685 0.685 0.677 0.677 0.677 0.675 0.675 0.675 0.675	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704           705           706           707           708           709           710           711           712           713           714           715           716           717           718           719           720           721           722           723           724           725	2408 2409 2409 2410 2411 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2419 2419 2419 2419 2420 2421 2422 2423 2423 2423 2424 2425 2501	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2419 2420 2424 2421 2422 2423 2424 2425 2501 2425 2501 2425 2504	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30 28 30 60 106 36 64 42 36	9.7 5.4 3.7 536.0 0.0 13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 3.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
705 706 707 708 709 710 711 712 713 714 715 716 717 718 716 717 718 719 720 721 722 723 724 725 726	3118           3119           3120           3121           3204           3205           3207           3208           3223           3224           3225           3226           3227           3408           3410           3411           3412           3413           3414           3415           3416           3417		0.686 0.687 0.687 0.685 0.686 0.694 0.694 0.694 0.693 0.683 0.683 0.683 0.685 0.685 0.685 0.685 0.677 0.677 0.677 0.675 0.675 0.675 0.675	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704           705           706           707           708           709           710           711           712           713           714           715           716           717           718           719           720           721           722           723           724           725           726	2408 2409 2409 2410 2411 2414 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2420 2421 2422 2422 2422 2423 2423 2423 2424 2425 2501 2501	2409 2510 2511 2415 2506 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2420 2419 2424 2420 2424 2422 2423 2424 2425 2501 2425 2501 2425 2702 2504 2504	32 32 32 32 32 32 32 32 32 32 32 32 32 3	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30 28 30 60 106 36 64 42 36 38	9,7 5,4 3,7 536,0 0,0 13,0 0,9 12,1 523,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0	2 5 1 4 1 0 9 1 0 0 3 4 0 2 3 2 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 2
705 706 707 708 709 710 711 712 713 714 715 716 717 718 716 717 718 719 720 721 722 723 724 725	3118           3119           3120           3121           3204           3206           3207           3208           3223           3224           3225           3226           3227           3408           3410           3411           3412           3413           3414           3415           3416		0.686 0.687 0.687 0.685 0.686 0.694 0.694 0.694 0.693 0.683 0.683 0.683 0.683 0.685 0.685 0.685 0.677 0.677 0.677 0.675 0.675 0.675 0.675	1.5 1.9 1.0 1.5 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0		704           705           706           707           708           709           710           711           712           713           714           715           716           717           718           719           720           721           722           723           724           725	2408 2409 2409 2410 2411 2414 2414 2414 2415 2416 2417 2418 2419 2419 2419 2419 2419 2419 2419 2420 2421 2422 2423 2423 2423 2424 2425 2501	2409 2510 2511 2415 2506 2415 2511 2537 2541 2420 2419 2419 2419 2419 2419 2420 2424 2421 2422 2423 2424 2425 2501 2425 2501 2425 2504	32 32 32 125 63 32 32 32 32 32 32 32 32 32 32 32 32 32	26 82 90 118 240 40 50 44 78 72 58 44 30 28 30 28 30 60 106 36 64 42 36	9.7 5.4 3.7 536.0 0.0 13.0 0.9 12.1 523.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	2 5 1.4 1.0 9.1 0.0 3.4 0.2 3.2 9.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

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	729	3420	a <u>a de la dese</u> rta de la companya de la comp	0.686	0.6	729 730	2502	2504	32	<u>34</u> 62	-2.4	0.6	
	730 731	<u>3421</u> 3422	An	0.687	0.6	731	<u>2502</u> 2503	2703 2505	32	34		0.4	
	732	3423	14) (Annala) (Barran, Annala) (an Indonesia (Barran), Annala)	0.688	0.9	732	2503	2801	32	48	1.2	0.3	
	733	3424		0.687	0.0	733	2504	2505	32	16	1.5	0.4	
	734	3425		0 687	0.5	734	2505	2803	32	82	•3.9	1.0	
	735	3426		0.687	0.0	735	2506	2802	63	134	-24.5	17	
	736 737	<u>3427</u> 3428		0.687 0.687	1.0	736	2507	<u>2509</u> 2543	32	40 168	-3.6 9.4	0.9 2.5	
	738	3429		0.686	0.6	738	2508	2542	63	128	39.5	2.7	
	739	3430		0.675	1.3	739	2509	2510	32	34	-9.2	2.4	
	740	3431		0.670	0.3	740	2509	2535	32	40	10.4	2.7	
	741	3432	, <u>1888. go go ga an</u> ag <sup>an</sup> g Trid d'a 189 (Aldrea Mard - Cipanian Ana	0.669	0.5	741	2510	2511	32	38	-16		
	742 - 743	<u>3433</u> 3434		0.677	0.0	742	2512	2513	32	32 38	-18 2	4.8	
	744	3435	,	0.669	1.9	744	2514	2542	63	38	-82.8	5.6	
	745	3501		0.686	1.7	745	2515	2524	32	36	13.8	3.7	
1	746	3502		0.684	12	746	2515	2587	63	82	-80.9	5.6	
	747	3503	·	0.684	15	747	2516	2517	32	32	6.5	1.8	
	748 749	<u>3504</u> 3505		0.684	1.7	748	2516	2524	$\frac{32}{32}$	<u>60</u> 62	-9.7 2.4	2.6	
: '	750	3505		0.683	1.7	750	2517	2518	32	63	2.2	0.6	
	751	3507		0.683	1.0	751	2518	2523	32	36	2.7	0.7	
	752	3508		0.683	0.5	752	2519	2607	63	134	33.9	2.4	
	753	3509		0.677	2.7	753	2520	2521	32	34	1,5	0.4	
	754 755	3510 3511	·	0.675	2.6	754	2520	2601 2522	<u>63</u> 32	<u>98</u> 34	34.4	2.4	
	755	3512		0.670	1.7	756	2521	2523	32	34	-7.1	1.9	
	757	3513		0.667	2.4	757	2522	2528	32	94	2 3	0.6	
	758	3514		0.666	21	758	2522	2602	32	64	3.8	1.0	
	759	3515		0.666	18	759	2523	2527	32	28	-5.2	1.4	
	760 761	<u>3516</u> 3517		0.665	17	760	2524 2524	2525	<u>32</u> 32	30 96	-7.6 8.7	20	
	762	3518		0.667	2.3	762	2525	2526	32	32	9.6	2.3	
	763	3519		0.666	1.8	763	2525	2546	32	58	-18.8	5.0	5
	764	3520		0.666	1.3	764	2526	2530	32	62	7.8	2.1	
	765	3521		0.665	1.2	765	2527	2529	32	98	7.6	2.1	ł
	766 767	3522		0.665	1.8	766	2527 2528	2530 2529	32	30 28	-7.3 1.2	2.0	
	768	3526		0.661	0.5	768	2528	2602	32	34	-0.7	0.2	
	769	3527		0.661	35	769	2529	2603	32	36	6.6	1.8	
	770	3528		0.661	23	770	2535	2536	32	64	2.0	0.5	÷.,
	771	3529		0 660	2.6	771	2535	2538	32	68	7.3	1.9	•
	772	<u>3530</u> 3531	***	0.661	1.7	772	2536 2536	2537 2539	<u>32</u> 32	80 36	<u>-4.5</u> 5.1	1.2	
	774	3532	**************************************	0.651	1.3	774	2537	2540	32	34	6.3	1.6	
• •	775	3533		0.661	1.5	775	2538	2539	32	60	-7.0	1.8	
	776	3534		0.661	2.8	776	2538	2544	32	40	13.2	3.5	
	<u>111</u>	3535		0.662	1.2	<u>777</u> 778	2539	2540	32	82	-3.6	0.9	
	<u>.778</u> 779	<u>3536</u> 3537	· · ·	0.669	<u>1.0</u> 1.0	779	2540 2541	2541 2564	<u>32</u> 125	40	523.9	<u> </u>	
· · · · · · · · · · · · · · · · · · ·	780	3538		0.669	14	780	2542	2543	63	6	-44.6	3.0	
	781	3539		0.669	<b>i</b> 4	781	2543	2544	63	40	-36.4	2.5	
	782	3540		0.669	1.4	782	2544	2564	63	188	-24.8	1.7	
	783 784	3541		0.669	0.6	783	2545	2547	63	38	5.1	0.3	
	785	<u>3542</u> 3543		0.669	1.9	784 785	2545 2545	2559	<u>63</u> 63	98 6	-90.8 84.9	<u>6.2</u> 5.8	
	786	3544		0.667	1.9	786	2546	2547	32	6	-16.6	4.4	
	787	3545		0.667	2.7	787	2546	2587	32	36	-3.2	0.8	
1 - 4 - 4 - 4 2	788	3546		0.667	1.7	788	2547	2548	32	36	-12.4	3.3	
	789	3547		0.667	1.0	789	2548	2549	32	32	1.0	0.1	
	<u>790</u> 791	3548 3549		0.667	0.6	790	2548 2559	2560 2560	32	68 38	-15.0	4.0	
	792	3550		0.666	0.6	792	2559	2563	63	<u> </u>	-96.6	6.6	
	793	3551		0.664	0.8	793	2560	2561	32	34	-13.8	3.7	
	794	3552		0.664	0.0	794	2561	2562	32	- 34	-4.7	12	
	795	3553		0.664	0.9	795	2561	2566	32	62	-10.8	2.9	

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	796	3554		0.662	08	Į	796	2562	2568	32	60	-3.5	0.9	1
	797	3555		0.661	0.9	Į	797	2562	2569	32	90	-3.8	1.0	
	798	3556	·	0.662	0.5	Į	798	2563	2565	63	38	-114.5	7.8	
	799	3557		0.662	1.4	Į	799	2563	2566	32	38	16.6	4.4	
	800	3558		0.666	1.7	ł	800	2564	2565	125	20	497.8	85	1
	801	3559		0.666	0.8	Į	801	2565	2571	125	132	381.7	6.6	
	802	3563		0.660	22	Į	802	2566	2570	32	- 91	3.1	0.8	l l
	803	3564	-	0.660	1.2	Į	803	2568	2569	32	30	-1.7	1.2	l
	804	3565		0.660	2.4		804	2569	2570	32	32	-10.4	2.8	
	805	3566	-	0.666	1.9	· ·	805	2569	2809	32	100	0.1	0.0	
	806	3567		0.666	1.9		806	2570	2571	32	40	-16.0	4.2	ĺ
	807	3568		0.666	0.8		807	2570	2810	32	100	5.5	14	ł
100	808	3569		0.660	1.9		808	2571	2812	: 125	140	363.6	6.3	
	809	3570		0.662	0.0		809	2586	2605	32	60	5.3	1.4	· ·
· · ·	810	3571		0.664	0.0		810	2601	2602	32	34	-2.0	0.5	1 -
	811	3601		0.661	17		811	2601	2608	63	36	35.3	25	
· ·	812	3602		0.662	2.1		812	2603	2604	32	6	12.0	3.2	(
	813	3603		0.664	1.0	1	813	2603	2608	63	96	-6.7	0.5	Į
	814	3604		0.664	0.9	1	814	2604	2612	32	62	2 5	0.7	
-	815	· 3609		0.664	0.5		815	2604	2614	32	36	8.1	22	1
	816	3610		0.664	0.9	l	816	2605	2606	32	38	5.6	1.5	Į
	817	3611		0.664	0.5	l	817	2606	2607	63	36	4.6	0.3	Ι.
	818	3612		0.664	0.6	1	818	2607	2608	63	14	6.5	0.5	4
	819	3613		0.664	1.5		819	2607	2610	63	6	311	2.2	1:
	820	3646		0.664	1.0	1	820	2608	2611	63	6	34.2	2.4	1
	821	3675		0.664	0.5		821	2610	2611	32	14	1.2	0.3	1 . 3
	822	3704		0.675	0.3	ľ	822	2610	2620	63	36	28.9	2.0	1 :
	823	3705		0.675	0.1		823	2611	2612	32	34	4.9	1.3	18
	824	3708		0.675	0.5	Į	824	2611	2642	63	150	29.2	2.0	I
	825	3709		0.675	0.5	1	825	2612	2613	32	36	6.8	1.8	1
· .	826	3710		0.675	0.0	1 ·	826	2613	2614	32	62	1.7	0.5	
•	827	3711		0.675	0.9	1 .	827	2613	2650	32	114	2.5	0.7	· ·
(I)	828	3712		0.675	0.0		828	2614	2615	32	30	1.2	0.3	
2	829	3718		0.675	0.0	ł.	829	2614	2655	32	32	7.3	2.0	
	830	3719		0.675	0.0	[ ···	830	2619	2620	32	34	51	14	
	831	3720		0.675	0.0		831	2619	2637	32	80	3.0	0.8	1
	832	3721		0.675	10		832	2620	2641	63	112	22.8	1.6	
·	833	3722		0.672	1.0		833	2637	2638	32	34	1.7	0.5	1
- 1 F - 1	834	3723		0.675	0.9		834	2638	2641	32		-1.8	0.5	l .
	835	3724		0.675	0.0		835	2638	2639 2640	32	<u>66</u> 34	2.9	0.8	
	836	<u>3725</u> 3726		0.675	23	÷.,	<u>836</u> 837	2639 2640	2643	32	36	1.6	0.6	
				And the Party lies of the Part	A summarized and so that so a share of		Contractor in the local diversion of the loca	2641	2643	63	100	18.7	1.3	
1 . 4	838	3727		0.675	0.6		<u>838</u> 839	2641	2650	63	34	16.3	<u></u> 1.1	
	839	3729		0.669	and the second s		840	2642	2647		138	10.6	0.7	
	840	3801			0.0		841	2643	2644	<u>63</u> 63	38	17.8	1 2	1.1
	The second se	3802		0.675	the second se		The second se	2644	3675	63		17.1	1.2	
	<u>842</u> 843	3803	<b> </b> -	0.669	0.0		<u>842</u> 843	2647	3604		8 10	5.7	0.4	
	the lot of	3804			1.3		<u>843</u> 844	2647	2652	63 63	34	4.3	0.4	L .
	<u>844</u> 845	3805 3806		0.669	23		844	2650	2652	63	32	10.6	0.7	1
	845	3800	<b> </b> -	0.668	1.7	1	846	2650	2651	32	32	2.3	0.6	
	840	3808		0.668	1.2		847	2650	2651	32	<u> </u>	1.1	0.3	1 ·
	818	3809	<b>-</b>	0.667	1.4	÷	848	2650	2652	32	40	0.9	0.2	
	849	3809		0.667	1.3	i.	849	2652	2656	32	30	4.5	1.2	
	850	3811	┟╌╍┊╾╍╍╺╌┙┙╼╍╍╍╸┠╍	0.667	29		850	2653	2655	32	110	3.3	0.9	1. :
	851	3812		0.667	1.9		851	2653	2654	32	98	2.6	0.7	l
4篇	852	3813		0.665	1.4		852	2655	2656	63	82	7.1	0.5	
	853	3814		0.665	0.9		853	2655	2659	63	32	6.9	0.5	Ľ
	854	3815		0.660	0.9		854	2658	2659	32	52	-1.3	0.3	
	855	3816		0.660	0.6		855	2659	2662	63	70	1.2	0.1	l
	856	3817		0.660	0.0		856	2659	2665	: 32	104	1.7	0.5	1
	857	3819		0.658	1.2		857	2701	2702	32	104	0.0	0.0	1 ·
	858	3820		0.659	2.7		858	2702	2702	32	38	3.3	0.0	l
	859	3820		0.658	1.8		859	2702	2704	32	28	-0.3	0.9	
	860	3823	<b>├</b>	0.657	0.4		860	2703	2704	32	62	0.2	0.1	1
	and the party of the lot of the			0.667	0.4		861	2704	2705	32	<u>64</u>	1.5	all and a state of the state of	l
	<u>861</u> 862	3824			0.3		862	2704	2706	32	30	0.6	0.4	l
	L 601	3828		0.658	0.9	l i	001	4103			<u>30</u>	0.0	0.4	ł
		1.1				М	13							
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863	3829		0.658	0.9		863	2705	2801	32	6	2 . 1 9	0.5
864	3830		0.658	0.1	il –	864	2706	2707	32	4		The second s
865	3831		0.658	the second s	5 m	865	2707	2804	32	10		the second second
866	3832		0.658	The Party of Lot	-	866	2707	2807	32	and the second se		
867	3833		0.659	the second se	" <b>C</b>	867		A Contraction of the local division of the l		4(		
868	3834		0.659	the second s	-	the second se	2708	2827	32	134		the second s
869	3837		And the Party of t	And the owner will see the	-	868	2801	2804	32	30	a second s	A service of the local division of the local
870	3838		0.667	The second se	-	869	2802	2803	32	30	and the second	
871	and the second se	and the second provide second	0.667	0.5		870	2802	2824	63	100	-34.8	2.4
the second second second	3839		0.667	The Rest Location, Marcada		871	2803	2804	32	34	6.1	1.6
872	3840		0.667	1.3	- F	872	2803	2825	32	100		1.1
873	3841		0.667	1.4		873	2804	2805	32	36		0.1
874	3842		0.668	0.9		874	2805	2806	32	74		
875	3843		0.667	0.4	1	875	2805	2808	32	30		0.9
876	3844		0.668	1.4	-	876	2806	2807	32	36		Section in the local division in the local d
877	3845		0.667	0.9	-	877	2806	2808	32	92	The second se	0.4
878	3857		0.669	22		878	2807	2808		THE RECEIPTION CONTINUES.	Contraction of the local division of the loc	0.7
879	3901		0.659	0.3		Contraction of the local division of the loc	And the other Designation of the local division of the local divis	State of the local division of the local div	32	68	and the second se	0.0
880	3902	1	0.659	Or Commentations and success	1	879	2808	2826	32	34	A DEL DEL DEL DEL DEL	2.3
881	3906		- Contraction of the local division of the l	1.7	1	880	2809	2810	32	32		0.3
882	3900		0.660	0.8		881	2810	2811	32	38	Contraction of the local division of the loc	0.5
a second s			0.660	0.6	τ	882	2811	2812	63	40	0.8	0.1
883	3908		0.660	1.0	ŧ :	883	2812	2828	150	30	297.7	2.8
884	3938		0.660	1.4		884	2812	2867	63	6	Contraction of the local division of the loc	4.5
885	Į					885	2814	2815	32	30	the same same same same	1.0
886						886	2814	2822	32	62	-5.3	1.4
887				Ar proder taking ang ang ap (		887	2815	2816	32	36		0.7
888	L					888	2815	2817	32	62	or the substitution of the	0.7
889						889	2816	2817	32	and the local division in the local division in the local division of the local divisio division of the local division of the local	Concession, Name of Street, or other	Statements and a statement of the statem
890	]		i			890	2816	2818	32	42	-0.6	0.2
891	[				l I	891	2810			34	2.1	0.6
892	1	1	†			the second s	or Grad water, roman states, or	2840	32	32	-1.8	0.5
893		<u> </u>				892	2818	2819	32	38	COLUMN STATES OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE	0.5
894		<u> </u>				893	2818	2841	32	88	-1.6	0.4
895				· · · · · · · · · · · · · · · · · · ·		894	2819	2821	32	36	6.0	1.6
the second se						895	2819	2842	63	88	-16.6	1.1
896				- 787.8-481.0-1-00		896	2819	2903	63	110	10.0	0.7
897						897	2820	2821	32	38	-3.8	1.0
898						898	2820	2911	32	32	1.4	0.4
899			]			899	2820	2915	32	86	0.5	0.1
900		-				900	2821	2844	32	54	-0.1	0.0
- 901					- j	901	2821	2916	32	66	-0.1	A CONTRACTOR OF THE OWNER
902	1 A 2 A				<b>آ</b> د .	902	2822	2823	32	38	the state of the s	0.4
903			1		ł	903	2822	2840	32	62	-14.2	3.8
904					} <b>}</b>	904	2823	2840		the second s	6.1	1.6
905					H	905	2823	the second s	63	134	48.4	3.3
906	· · · · · ·				- F	906	the second s	2867	63	34	-64.1	4.4
907					ł		2824	2825	32	36	10.9	2.9
908					-	907	2824	2828	63	36	-46.9	3.2
909					.	908	2825	2826	32	34	4.4	1.2
910					ļ	909	2826	2827	32	80	6.6	1.7
					ļ	910	2826	2830	32	38	-12.6	3.3
911				-	L	911	2828	2829	125	8	227.2	3.9
912				<u> </u>	- (	912	2828	2830	63	72	22.9	1.6
913				<u> </u>	1	913	2829	2831	32	72	3.9	1.0
914			T			914	2829	2834	125	36	222.7	3.9
915	I				ľ	915	2830	2831	32	6	7.9	21
916	11				r	916	2830	2832	63	94	Contraction of the local division of the loc	the state of the second se
917		i			l h	917	2831	2833	32		1.0	01
918			- <del>-</del>		ŀ	918	2831		the second s	94	0.6	0.2
919					- ŀ		and the second se	2836	32	36	9.9	26
920						919	2834	2835	32	38	9.0	24
921					<u> </u>	920	2834	2852	125	132	212.3	3.7
					L	921	2835	2836	32	34	2.4	0.6
922						922	2835	2848	32	96	40	11
923					ſ	923	2836	2837	32	30	6.1	1.6
924		T			Ē	924	2836	2838	32	46	5.1	1.4
925				{	r	925	2837	2849	32	68		the second se
926		I I			r	926	2837	2850	32	The factor and the second	2.0	05
927						927	2838	2839		104	1.8	05
928					· Ի	928			32	34	0.1	0.0
929			·		ŀ	1	2838	2851	32	122	1.8	0.5
•			I,		I.	929	2840	2841	32	34	3.01	0.8

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930					]	930	2841	2842	32	38	-0.9	0.2
931						931	2842	2843	63	40	-26.5	1.8
932					1	932	2842	2845	32	36	7.2	19
933	ļ				Į	933	2843	2918	63	208	18.6	1.3
934					Į	934	2844	2845	32	34	-29	0.8
935		ي المراجعة المراجع ا				935	2844	2847	32	80	1.3	0.3
936	-+E-th-mes-ad				{	936	2845	2846	32	90	2.2	0.6
937					Ι.	937	2846	2847	32	34	0.6	0.2
<u>938</u> 939					{	9 <u>38</u> 939	2846	2866	32	34	-0.5	0.1
940		a antaria da alemana anti mana arara a ana a manga manga wan		-	ł	939	2847 2848	2916 2849	<u>32</u> 32	<u>56</u> 32	-0.0	0.1
940	<u> </u>				ł	940	2848	2849	32	36	17	0,0 0,1
942	{			· · • • • • • • • • • • • • • • • • • •	ł	942	2848	2850	32	58	0.6	0.4
943					ł	943	2850	2851	32	30	05	0.1
914	1		**************************************		1	944	2851	2854	32	36	0.4	0.1
945					1	945	2852	2853	63	38	18.6	13
946					1	946	2852	2861	125	148	191.1	3.3
947						947	2853	2854	63	100	10.0	0.7
948						948	2853	2856	32	- 34	9.0	2.4
949						949	2854	2855	63	16	0.0	0.0
950					ł	950	2854	2859	32	34	8.6	2.3
951	ļ				Į	951	2856	2857	32	-34	3.1	0.8
952	<b> </b>				l ·	952	2856	2863	32	126	2.9	0.8
953	<b> </b> -				•	953	2857	2858	32	20	0.2	0.1
<u>954</u> 955	<u> </u>	and a sub-life that a sub-life			1	<u>954</u> 955	<u>2857</u> 2858	2860 2859	<u>32</u> 32	48	2.6	0.7
955	<u> </u>				1	956	2858	2859	32	52	26	0.7
957					• ·	957	2859	2865	32	140	2.6	0.7
958					1	958	2860	2864	32	86	19	0.5
959		distant of Paris in Second Second Second				959	2861	2862	125	32	188.0	3.3
960						960	2861	2863	32	40	1.6	0.4
961					i i	961	2862	2865	: 32 -	112	-19	0.5
962		· · · · · · · · · · · · · · · · · · ·				962	2862	3204	125	50	188.5	3.3
963						963	2863	2864	32	34	1.8	0.5
964						964	2864	2865	32	18	14	0.4
965		<b>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</b>				965	2866	2917	32	92	0.8	02
966	ļ	······		:		966	2866	2920	32	38	-3.9	10
967						967	2902	2903	63	32	-1.9	0.1
968						968	2903	2909	32	38	6.2	<u> </u>
<u>969</u> 970						<u>969</u> 970	2909 2909	2910 2913	<u> </u>	30 62	21	0.6
970						971	2910	2913	32	20	10	0.6
972	{	······				972	2910	2912	32	70	0.1	0.0
973	- <u></u>			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		973	2911	2912	32	46	14	0.4
974	¢.	·				974	2912	2914	32	34	0.0	0.0
975	1	· · · · · · · · · · · · · · · · · · ·			i i	975	2913	2914	32	66	01	0.0
976					l i	976	2914	2915	32	32	-18	0.5
977						977	2915	2917	32	34	-2.8	0.7
978						978	2916	2917	32	34	0.5	0.1
979						979	2917	2921	32	38	-3.2	0.9
980					:	980	2918	2919	63	12	3.2	0.2
981	}					. 981	2918	2920	63	40	13.8	0.9
982	<b> </b>					982	2919	2922	32	132	20	0.5
<u>983</u> 984						<u>983</u> 984	2920 2921	2921	63 32	92 12	<u>89</u> 37	0.6
984 985						984 985	2921	<u>2922</u> 2923	63	132	0.0	0.0
985						986	2921	2923	32	36	3.6	1.0
987						987	3101	3102	32	50	-0.4	0.1
988						983	3102	3103	32	- 44	-0.6	0.2
989						989	3102	3105	32	46	-1.0	0.3
990	i					990	3103	3104	63	8	65	0.4
991						991	3103	3105	63	26	-7.5	0.5
992				· <u></u>		992	3104	3121	32	34	3.9	1.0
993		-				993	3104	3107	63	142	0.0	0.0
994						994	3105	3106	63	32	-86	0.6
995						995	3105	3118	32	72	-13	0.4
996						.996	3106	3118	32	88	-0.6	0.2

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<b>f</b>	997	1		1		<b>1</b>	997	3106	3420	63	34	-9.9	0.7
· · · ·	998					·	998	3113	3115	32	34	-0.3	0.1
	999			and the second sec		: 1	999	3113	3224	32	74	0.3	0.1
	1000					- 1	1000	3115	3116	32	38	•2.5	0.7
ł	1001						1001	3115	3120	32	74	0.5	0.1
ł	and the second second		and and the second states of the second states	ייים איז	-2.494	·	1002	3116	3117	32	38	-1.2	0.3
ŀ	1002					· · ·	1003	3116	3121	32	20	-2.1	0.6
<b> </b>	1003		and the second				A REAL PROPERTY AND	3117	3121	32	34	-1.0	0.3
	1004						1004	And a subscription of the local division of the		32	and reader to the	-1.7	0.5
	1005		-				1005	3117	3226		58	CONTRACTOR DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION	Constrained with the summer
	1006						1006	3118	3119	32	36	-3.9	1.0
	1007						1007	3119	3226	32	34	6.2	1.7
	1008						1008	3119	3227	32	38	-11.2	3.0
ſ	1009						1009	3119	3421	32	68	0.0]	0.0
1	1010						1010	3120	3225	32	36	-1.8	0.5
	1011					•	1011	3120	3224	32	32	0.8	0.2
1	1012				a a de la constante de la const	· .	1012	3204	3206	125	42	188.5	3.3
	1013				. <u>Ca</u> nana ang kang kang kang kang kang kang k		1013	3206	3207	125	8	188.5	3.3
	And Descent				aarodriin, ma		1014	3207	3208	125	38	188.5	3.3
	1014						1015	3208	3227	125	234	188.5	3.3
	1015						1016	3223	3224	32	8	-0.1	0.0
ļ	1016								and the second sec	32	34	-3.5	0.9
	1017						1017	3225	3226		and the Statement of the other	175.4	3.1
:	1018		······································				1018	3227	3423	125	100		A TANK BALLING AND
	1019		. ·	-			1019	3408	3409	32	98	-0.2	0.1
	1020						1020	3408	3409	32	124	-0.2	0.1
e de la	1021						1021	3409	3410	32	60	1.1	0.3
	1022		· · · · · · · · · · · · · · · · · · ·				1022	3410	3419	. 32	58	-7.0	1.9
	1023						1023	3410	3433	32	34	0.0	0.0
1.1	1024				1		1024	3410	3417	32	110	4.8	1.3
· · ·	1025						1025	3411	3417	63	232	0.0	0.0
N 1	1026					1.1	1026	3412	3413	32	56	1.4	0.4
	1027	ana ana sairtata				i	1027	3412	3416	63	224	-2.3	0.2
	1027					. 1	1028	3413	3414	32	22	0.4	0.1
1 A. 11	1028						1029	3413	3415	32	88	0.4	0.1
						I	1030	3414	3704	32	30	0.4	0.1
1 - 1 - L	1030							3414	3708	32	74	0.0	0.0
	1031						1031	Contractor Service and	3708		50	0.1	0.0
1.1	1032						1032	3415	the second se	<u>32</u> 32	116	-0.7	0.2
	1033	;					1033	3415	3710		50	-3.9	0.2
N 1	1034						1034	3416	3719	63	the second s		
	1035		· · · · · · · · · · · · · · · · · · ·				1035	3416	3710	32	56	1.5	0.4
. • .	1036				1		1036	3417	3418	63	48	3.6	0.2
1 4	1037			<u> </u>			1037	3418	3419	63 -	118	-42.4	2.9
	1038					1	1038	3418	3719	63	24	21.9	<u>1.5</u>
	1039						1039	3418	3720	63	60	23.6	1.6
	1040	;			l	•	1040	3419	3427	63	198		3.5
1 A.	1041						1041	3420	3421	32	74	-2.2	0.6
	1042						1042	3420	3424	63	116	-8.3	0.6
	1043		[	1	1	1 ·	1043	3421	3422	32	34		1.0
	1044	<b> </b>		†		1	1044	3422	3423	32	38		1.7
	1045			1	<u> </u>	1	1045	3422	3425	32	86		0.5
	1045	<b> </b>	<b> </b>			1	1045	3423	3427	125	86		2.9
				· [		{	1040	3424	3425	63	8		0.6
	1047	<b> </b>		+	+	{	and the second sec		3425	32	24		0.0
· ·	1048			+		1	1048	3424					
	1049			+		ł	1049	3425	3427	63	38		0.5
	1050	<b></b>		<b></b>		ł	1050	3427	3428	150	38		1.0
	1051	ļ			J	1	1051	3428	3429	63	42		1.7
	1052					1	1052	3428	3509	63	130		5.0
	1053					1	1053	3428	3430	32	168		3.1
	1054				1	J	1054	3429	3501	63	98		0.8
	1055	I				].	1055	3429	3506	32	38	123	3.3
1 - A 2	1056	†		1	T	1	1056	3430	3431	32	132		2 2
	1057	<u> </u>	<b> </b>		1	1	1057	3430	3720	63	148		0.1
	1058	┟╍╍╍╼╼		·1'	1	1	1058	3431	3432	32	6		14
1.1	1	<b> </b>			+	1	1059	3431	3536	32	60	design for the state of the section of the	0.7
	1059	Į		+	+	1	1059	3431	3537	63	60		0.7
	1060	ł				-		· · · · · · · · · · · · · · · · · · ·		and the second s			
	1061	Į		- <b> </b>		ł	1061	3432	3722	32	126	the same same same same	13
	1062	Į	L	<b>_</b>		1	1062 1063	<u>3434</u> 3434	<u>3536</u> 3435	32	122		0.5
	1063												

		100000 automatica	******	And the second second second	,	۱. ۱							
100	the second s			<u> </u>		ł	1064	3435 3501	<u>3538</u> 3502	<u>32</u> 32	<u>162</u> 38	<u>-1.8</u> 9.9	<u>05</u> 26
100		-	ار می میکند. این می میکند میکند میکند این میکند میکند میکند این میکند این میکند این میکند این میکند این میکند می			ł	1066	3502	3502	32	64	20	0.5
10	****		an a	, .	and the second sec		1067	3502	3504	32	31	3.1	0.8
100	_		er minne denne gener, er seg gener an der felle Mitte Sprieden. Er			1	1068	3502	3505	32	62	. 3.6	1.0
10	69	3*1 * Nor * N * 10* 1				1	1069	3503	3504	32	74	0.5	0.1
10							1070	3504	3507	32	64	1.9	0.5
107					······································	Į	1071	3505	3506	32	36	2.7	0.7
10	the second second second						1072	3505	3507	32	34	-0.4	0.1
101			73814587677777777777777777777777777777777777				1073	3506	3510	32	92	13.3	3.6
107					-	ł	1074	3507	3508	32	28	0.5	01
101				· · · · · ·		1	1075 1076	3509 3509	3510 3540	32	42	<u>9.9</u> 59.4	<u>-27</u> 4,1
107						1	1077	3510	3511	32	88	<u> </u>	26
10		·····				1	1078	3510	3512	32	76	10.9	29
107						1	1079	3511	3512	32	76	1.1	0.3
108						1	1080	3511	3517	32	52	6.7	1.8
108	81				·	1	1081	3512	3513	32	38	10.4	28
108	82					]	1082	3513	3514	32	34	7.3	2.0
108	10.000			- 1			1083	3513	3518	32	108	0.6	0.2
108	and the second second						1084	3514	3515	32	- 34	4.2	1.1
108						Į	1085	3514	3519	32		11	0.3
108						Į.	1086	3515	3516	32	34	3.3	0.9
108	_	÷	· · · · · · · · · · · · · · · · · · ·			ł	1087	3515 3516	3520 3521	<u>32</u> 32	74	-0.9	0.2
108	ale autor for re-	<u></u>				1.	1088	3516	3521	32		-1.2	
100							1039	3510	3518	32	34	7.8	<u>0.7</u> 2.1
109	and the second second						1091	3517	3543	32	36	-2.4	0.6
109	a second second	i			a deservés serve serve a	1	1092	3518	3519	32	32	6.1	1.6
109	-					í	1093	3519	3520	32	34	5.4	1.4
109	94					<b>j</b>	1094	3520	3521	32	32	5.6	1.5
109	95			:			1095	3520	3549	32	36	-2.4	0.6
109					-		1096	3521	3522	32	72	3.3	0.9
109							1097	3522	3551	32	36	4.2	11
105	_						1098	3525	3527		38	-0.6	02
109							1099	3526	3528	32	<u> </u>	-0.5	0.1
							1100	3527	3528 3530	<u> </u>	100	-4.7	1.3 0.1
		:					1102	3527	3533	32	94	0.1	0.0
	_						1103	3528	3534	32	120	0.3	0.1
110						10	1104	3528	3554	32	36	-7.9	2.1
110	05	2	······································	······································		÷.	1105	3529	3531	32	128	•2.6	0.7
110							1106	3530	3532	32	60	0.6	01
110							1107	3530	3533	32	24	-1.7	0.5
110							1108	3531	3601	32	30	-4.0	
110						1.1	1109	3531	3532	32	24	-0.5	0.1
<u> </u>			Antonial de la comune de la comun				1110	3532	3533	32	48	-1.3	0.3
							1111 1112	<u>3533</u> 3534	3534 3535	<u>32</u> 32	30 34	-4.4	12
			مى بىرىمى بى يىرىمى بىرىمى				1112	3534	3601	<u> </u>	34 74	-4.9	<u>1.3</u> 0.1
	_					:	1114	3535	3603	32	102	-5.7	1.5
							1115	3535	3556	63	70	-0.4	0.0
111							1116	3536	3537	32	6	-37	10
111						Ċ	1117	3536	3538	32	48	3.4	0.9
111						1.1	1118	3537	3539	63	48	2.6	0.2
111							1119	3537	3729	32	122	2.5	0.7
112		-		]			1120	3538	3539	32	6	1.0	0.3
112						11	1121	3538	3540	32	56	-0.9	0.2
112		<u></u>					1122	3539	3541	63	56	1.2	0.1
112							1123	3539	3857	32	162	1.0	0.3
112			· · · · · · · · · · · · · · · · · · ·				1124	3540	3541	63	6 42	20.3	14
112							1125 1126	3540 3541	<u>3543</u> 3542	<u>63</u> 63	42	36.9 15.3	26
112		~\$\$~^1^~z					1120	3541	<u>3542</u> 3547	32	30	5.6	11
112							1128	3542	3544	32	42	8.2	2.2
							1129	3542	3806	63	158	5.2	0.4
112		*****					1130	3543	3548	63	68	34.0	2.4
112		الب محمد محمد				r '	للمشتقحت			المستشمين			
	<u> </u>												
	<u> </u>					,.	· • -						
	<u> </u>	-				м	-17						
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1131		and the design of the second				1131	3544	3545	32	32	4.2	11
1132		aradayada darakete dirara daraman yana darakete		A REAL PROPERTY.		1132	3544	3811	32	76	2 0	05
and the Real Property and the Property of the		ور الهار ومن المنظلة المارية الي من وحد المراد الي من وحد المراد الي من وحد المراد الي المراد			1.1	the same is a surface of the surface	and the second se	and the second se	and the second se		and the second sec	
1133						1133	3545	3546	32	32	14	01
1134		and the second second states to the second		-		1134	3545	3839	32	152	0.2	0.0
1135	· · · ·				÷	1135	3546	3547	63	36	1.0	0.1
1136						1136	3546	3812	63	106	-1.3	0.1
1137		a dhalla dh'fhir ann ann gurganna dh'shina "nóba a dhe' shanna		A CONTRACTOR OF		1137	3547	3548	63	6	-0.3	0.0
1138						1138	3547	3550	32	72	5.8	1.6
Company of the second second	Annan at 18 Annan and							A PROPERTY AND A PROPERTY		the same and service of the	The second second second	
1139						1139	3548	3549	<u> </u>	36	33.1	2.3
1140		ير محمد مربح و محمد معرب معرب				1140	3549	3551	63	108	30.0	2.1
1141						1141	3550	3553	32	100	5.6	1.5
1142 T	1				1.1	1142	3550	3558	32	36	-0.5	0.1
1143		▖▖▙▙▆▖▙▞▛▎▖▝▙▝▙▙▆▝▄▝▖▃▖▆▖▖▆▖▄▖▝▋▞▖▖▌▝▖▚▖▖▖▖▖▖▖▖	and the plant and the state of			1143	3551	3552	63	32	33.1	2.3
1144						1144	3552	3553	32	6	1.0	0.3
1145						1145	3552	3554	63	80	32.5	
- Jusian and						a sugarda, simulanta sugar	the second s	BACKET OF THE OWNER	and the second sec	and the second diversion of th	white succession in the succession of the succes	2.3
1146						1146	3553	3555	32	320	5.7	1.5
1147						1147	3554	3556	63	76	23.8	1.7
1148						1148	3555	3557	32	38	-2.4	0.7
1149					1	1149	3555	3565	32	36	7.2	2.0
1150						1150	3556	3557	63	8	22.9	1.6
1151						1151	3557	3817	63	174	19.0	1.3
1152						1152	3558	3559	32	34	-0.5	0.1
the second se										and the second se		and the second se
1153					÷	1153	3558	3566	32	94	-0.8	0.2
1154						1154	3558	3566	32	76	-0.8	0.2
1155		: 				1155	3559	3567	32	64	-1.3	0.3
1156						1156	3563	3564	32	28	0.9	0.2
1157						1157	3563	3565	32	28	-3.1	0.8
1158						1158	3564	3569	32	110	-0.3	0.1
1159	- Constant or Summir 4		er man die kennel van en Robel 2009	- The second		1159	3565	3569	• 32	124	1.7	0.5
1160						1160	3566	3813	32	34	-3.6	1.0
1161				- 1497 70-1008		1161	3567	3813	32	60	0.7	0.2
											-2.5	the same state of the
1162	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					1162	3567	3814	32	36		0.7
1163						1163	3568	3814	32	36	-0.8	0.2
1164						1164	3569	3816	32	30	3.4	0.9
1165		·				1165	3569	3817	32	38	-3.9	1.0
1166						1166	3570	3602	32	90	0.0	0.0
1167	2					1167	3571	3613	63	150	0.0	0.0
1168		· BOTTLE CONTRACTOR BUT IN CONTRACTOR				1168	3601	3602	32	28	•7.5	2.0
1169			breident - tank ofenin aansa			1169	3602	3603	32	34	-9.6	2.6
1170						1170	3603	3604	63	36	-16.3	1.1
1171						1171	3604	3675	100	20	-11.5	0.2
											And the local division of the local division	
1172						1172	3609	3610	32	32	11	0.3
1173				· · · · · · · · · · · · · · · · · · ·	1	1173	3609	3611	63	70	3.5	0.2
1174						1174	3609	3675	63	38	-5.1	0.4
1175					÷ .	1175	3610	3612	32	70	0.2	0.1
1176						1176	3611	3612	32	34	0.4	0.1
1177						1177	-3611	3613	63	34	2.6	0.2
1178						1178	3613	3646	32	116	1.0	0.3
1179						1179	3704	3705	32	38	0.0	0.0
1180						1180	3704	3703			Concernance and provide the	
· Janana and							the second s	and the second second second	32	106	0.1	0.0
1181					÷ .	1181	3705	3709	32	96	-0.1	0.0
1182						1182	3708	3711	32	116	-0.4	0.1
1183					1.1	1183	3709	3712	32	74	-0.5	0.1
1184						1184	3710	3711	32	56	0.8	0.2
1185						1185	3711	3712	32	28	0.5	0.1
1186	1	- <b></b>				1186	3711	3718	32	60	-1.0	0.3
1187						1187	3718	3719	32	118	1.0	0.3
1188					1 · ·		3719			the second second second second	and the party of the local division of the l	
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1190		······································			1.1	1190	3720	3722	63	132	36.7	2.5
1191				L]	14	1191	3721	3723	63	144	3.7	0.3
1192						1192	3721	3724	32	118	1.3	0.3
1193		-			1	1193	3722	3804	63	170	30.8	2.1
1194	· • • • •					1194	3723	3726	32	55	2.1	0.6
1195					÷.,	1195	3723		- all all and a second second second		the second s	the second s
								3801	63	116	0.8	0.1
1196						1196	3724	3725	32	58	1.3	0.3
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business h	7	Hospital	100001	2.5	16,00	õ	23,040	3{	454	23	23,040	-	88						182 3	314,174
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Ű	¥(\$0+10)	Mid rise office&Shop	120,000	4			460,800	0	10,383	461	460,800	0	0		0 4		1,435 2,884,200		896 3.	-45,00
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<u> </u>	01+CI	Mid rise office&Shopping	000'51	4			7,600	0	1,298	58	57,600	ò	0		0	523 1		360,525	237	418,12
		Shopping	12,500	1	8,000	-	24,720	0	283	25	24,720	0	0		ĩ	234		251,3281	_	276,048
	C2-2	Shopping	2,500	1	<b>1</b> ,60		4,944	0	57	5	4,944	0	°		ło			50,266		52
2		Shopying	5,000	1.5	4,800	÷	14,832	õ	170	15	14,832	0	0			140		150,797		16.564
0		Shopping	30,000	1.5	-	1	88,992	0	1,020	68	88,992	0	0		0	841 2	289 904,781	781		993.7
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	C	Shopping mall	130,000	2.5			642,720	0	7,363	643	642,720	0	0	-	0 6,0			529 2	$\sum$	172
2	7	(Shopping(Shop)	100,000	1.8	115,200		355,968	0	4,078	356	355,968	õ	0		0 3.	3,365 1,1	3	124	510 3	975.00
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business A	A-2	Administrative Institutione	22,500	1	14,400		21,600	0	487	22]	21,600	0	•					135,197	[	156.79
zone	C2-1 -	Shopping	50,000	~	32,000	÷.,	98,830	0	1,133	166	98,880	6	0	:				312	1	104.19
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12	C1-2	Shopping	45,000	1.5			33,488	0	1,529	133	133,488	10	0		0 1	1,262	433 1,357,171	171	566	490,659
Ľ	C2-2	Shopping	60,000	-	38,400		18,656	0	1,359	119	118,656	0	0		0 1,	1,122	385 1,206,375	375	503	325,03
5	C4-1	Shopping(Shop)	22,500	8.1	25,95	20	80,093	- 0	816	08	80,093	0	0	:	0	757 - 5		814,303)	340	894,39
	C4-2	Shopping(Shop)	20,000	81	23,0	40	71,194	0	816	114	71,194	0	0					723,825	302	795.0
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	21	119		0.585	1,360		21	114	115	150	501	1,199	11.7
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# **O. Financial and Economic Analysis**

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# Appendices O Contents

Economic and	financial	analyse	s (High	case)-				
Economic and	financial	analyse	s (Low	case)				
Economic and	financial	analyse	s (Labo:	r effici	ency do	ubled in 2	20 years)	
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### Master Plan Economic and Financial Analyses (Base Case)

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(	Gas Demand) 1 Rasidentiel 2 Commerciel 3 4 5 Industrial 6 Total	Cooking BoilertAir Con. Totel	(1000m3) (1000m3) (1000m3) (1000m3) (1000m3) (1000m3)	1995 2,490 3,331 4,138 7,469 750,734 760,693	1995 2,274 4,564 5,670 10,234 817,599 890,107	1997 2,766 4,706 8,506 13,212 960,411 976,389	1998 4,989 5,512 10,899 16,411 1,033,211 1 1,054,611 1	1999 9,181 6,319 15,076 21,395 ,134,811 ,165,387	2000 16,963 7,125 21,038 28,163 1,299,611 1,344,738	2001 25,269 8,308 31,502 39,810 (461,211 1 (528,290 1	2002 33,184 9,868 44,986 54,854 ,621,627 1,709,665	2003 41,179 11,805 61,488 73,293 1,747,187 1,862,259	2004 49,256 14,118 81,011 95,129 1,882,557 1,2026,972	2005 57,188 16,808 103,553 120,361 1,982,167 2,159,716 2	126 546 2	2007 74,310 22,672 152,514 175,186 2,314,298 2,563,794 2	204,969 2,547,736 2	236,468 832,990 3	2010 100,584 32,838 236,953 269,791 3,148,699 3,519,074	2011 109,466 36,646 268,458 305,104 3,365,336 3,779,906	40,683 301,847 342,535 3,797,277	2013 127,554 44,981 337,242 382,223 1,265,390 1,775,168	2014 136,761 49,540 374,173 424,313 4,829,260 5,390,354	468,958 5,476,656	2016 155,408 59,526 456,797 516,323 5,769,766 5,441,497	2017 164,837 64,991 501,591 566,581 5,561,629 7,293,047	2018 174,368 70,795 549,120 619,916 7,474,221 8,268,505	2019 184,000 76,964 599,558 676,522 8,404,137 9,264,659 1	192,043 83,518 653,087 736,605 9,375,594	resid 2021	•
. (	(Number of Customers)		(1000)	1995 9.06	1995 9.67	1997 11.14	1998 17.06	1999 28.05	2000 47.92	2001 69.14	2002 89.14	2003 109.14	2004 129.14	2005 148.56	2006 169,14	2007 189.13	2008 209.14	2009 229.13	2010 249.14	2011 269.13	2012 289.13	2013 309.14	2014 329.14	2015 349.14	2016 369.14	2017 389.13	2018 409.14	2019 429.14	445.26	resid 2021	
2 2 3	8 Commercial 9 10 11 Industrial 12 Total	Cooking BoilertAir Con Totel	(1000) (1000) (1000) (1000) (1000)	0.18 0.01 0.19 0.19 9.43	0.16 0.01 0.17 0.21 10.05	0.16 0.03 0.16 0.22 11.51	0.18 0.01 0.20 0.23 17.49	0.21 0.02 0.23 0.25 28.55	024 0.04 027 029 48.48	0.28 0.06 0.35 0.33 69.81	0.35 0.10 0.45 0.36 89.95	0.44 0.14 0.58 0.39 110.10	0.54 0.19 0.74 0.42 130.29	0.67 0.26 0.93 0.44 149.93	0.80 0.33 1.13 0.48 170.74	0.94 0.40 1.34 0.52 190.99	1.10 0.47 1.57 0.57 211.28	1.26 0.55 1.81 0.63 231.58	1.43 0.64 2.07 0.70 251.91	1.61 0.73 2.34 0.75 272.23	1.81 0.83 2.64 0.85 292.62	2.02 0.93 2.95 0.95 313.04	2.24 1.04 3.28 1.08 333.50	2.48 1.16 3.63 1.23 353.99	2.73 1.28 4.01 1.29 374.44	3.00 1.41 4.41 1.47 395.01	3.28 1.55 4.83 1.67 415.64	3.59 1.70 5.29 1.88 436.31	3.91 1.86 5.77 2.10 453.13		
	(Seles Volume per Customer 13 Residentiel 14 Commerciel 15	Cooking BoilertAir Con	(1000m3) (1000m3) (1000m3) (1000m3)	1995 0.27 18.40 827.60 40.16	1996 024 28.00 1134.00 60.92	1997 0.25 29.98 1701.14 81.56	1998 0.29 30.02 905.00 83.87	1999 0.33 30.05 671.17 91.93	2000 0.35 30.08 580.23 103.11	2001 0.37 29.32 507.29 115.25	2002 0 37 28 23 463 10 122 80	2003 0.38 27.10 434.91 127.03	2004 0.38 26.08 415.82 129.21	2005 0.38 25.18 400.80 129.99	2006 0.39 24.52 390.93 130.38	2007 0.39 24.00 383.84 130.54	2008 0.40 23.59 378.44 130.55	2009 0.40 23.24 374.12 130.48	2010 0.40 22.95 370.56 130.33	2011 0.41 22.70 367.53 130.13	2012 0.41 22.48 364.90 129.90	2013 0.41 22.29 362.58 129.65	2014 0.42 22.12 360.51 129.38	2015 0.42 21.96 358.64 129.10	2016 0.42 21.82 356.94 128.81	2017 0.42 21.68 355.37 128.52	2018 0.43 21.56 353.93 128.22	2019 0.43 21.45 352.56 127.93	2020 0.43 21.35 351.33 127.64	resid 2021	. :
÷	16 17 Industrial 18 Total	Tote!	(1000m3) (1000m3)	4,036 20 80.68	4,159.24 88.58	4,467.03 84.81	4,467.03 60.30	4,467.03 40.82	4,467.03 27.74		4,467.03 19.01	4,467.03 16.91	4,467.03 15.56		4,467.03 13.70	4,467.03 13.42	4,467.03 13.42		4,467.03 13.97	4,467.03 13.88	4,467.03 14.55	4,457.03 15.25	4,467.03 16.15	4,467.03 17.21	4,467.03 17.20	4,467.03 18.46	4,467.03 19.89	4,467.03 21.23	4,467.03 22.74	. '	
	(Investment Plan)			1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		rosid 2021	
	19 Pipoline installation 20 (Km) 21 22 23 24 Cumulative pipiline 25 (Km) 26 27 28 29 Cumulative meter 30 (Units) 31 32 33 Cumulative offtskar 34 Cumulative governor 35	Residential distr Commercial dist Industrial distrib- Industrial distrib- Industrial distrib- Residential distrib- Industrial distrib- Industrial transm resid & Commercial Commercial airo Commercial airo Industrial Medium A Medium B	ribution ution ansmission ansmission ibution ution ution ution ansmission king			1597 5928 10 121 36.13 10 5928 10.00 1.21 36.13 10.00 5.928 27 7 16 3 0 5 5 5 5 5 5 5 5 5 5 5 5 5	10998 10998 10 1,70 36.13 10 16926 20.00 2,91 7225 20.00 16,926 53 17 39 8 1 16	1995 55 10 2 75 36.13 10 367.81 30.00 5.66 106.58 30.00 36,781 80 31 17 6 5 5 6 105.58 30.00 36,781 80 31 15 3 35	212 20 10 2.10 36.13 10 580.00 40.00 8.85 144.50 40.00 128 57 112 23 5 58	2000) 10 2.68 0.00 10 2.68 0.00 10 780.01 50.00 11.03 144.50 78.001 193 92 143 31 7 78	199.99 10 2.11 0.00 10 960.00 60.00 13.14 144.50 60.00 98.000 279 135 137 37 9 9 88	200.01 10 225 0.00 10 1,180.01 70.00 15.39 144.50 70.00 118,001 384 190 206 44 11 118	194.28 10 1.66 0.00 10 1.374.29 80.00 17.05 144.50 80.00 137,429 511 253 229 50 13 137	205.71 205.71 10 2.41 0.00 10 1,580.00 90.00 19.46 144.50 90.00 158.000 645 321 261 58 158	200.00 10 3.13 0.00 10 1,760.00 100.00 22.59 144.50 100.00 178.000 178.000 788 393 67 17 177	200.01 10 3.90 10 1,980.01 110.00 26.49 144.50 110.00 198.001 940 468 355 79 199 198	199.99 10 4.76 0.00 10 2,173.99 120.00 31.25 144.50 120.00 217,999 1,101 549 419 93 217	200.01 10 5.27 0.00 10 2.380.00 130.00 36.52 144.50 130.00 238.000 1.274 634 490 103 238 238	199.99 10 3.62 0.00 10 2.579.99 140.00 40.13 144.50 149.00 257,999 1.457 725 538 119 25 257	200.01 10 7.21 0,780.00 150.00 1780.00 1780.00 1780.00 1780.00 278.000 1653.822 635 140 277 277	200.00 10 7.81 0.00 10 2,980.00 160.00 298.000 1.861 925 740 162 298 258	200.00 10 9.41 0.00 10 3,180.00 170.00 64.55 144.50 170.00 318.000 2,083 1,035 866 188 31 318	200.00 10 10 80 0.00 10 3,360.00 180.00 180.00 2,320 1,151 1,011 218 33 338	200.01 10 4.69 0.00 10 3,560.01 190.00 80.26 144.50 190.00 358,001 2,575 1,275 1,077 233 355	199.99 10 1321 3263 10 3.779.99 20000 33.799 2.840 177.13 200.00 377,999 2.840 1.406 1.254 2.69 37 377	200.01 10 15.23 32.63 10 3.980.01 210.00 209.75 210.00 398.001 398.001 398.001 3,126 1,547 1,458 311 33 338	200.00 10 15.52 32.63 10 4.180.01 220.00 124.22 242.38 220.00 124.22 242.38 220.00 13.431 3.695 1.666 354 41 418	161.21 10 16.21 32.63 10 4.341.22 230.00 140.43 275.00 230.00 434.122 3.755 1.854 1.854 1.854 1.854 43 434	0.00 0 4.341 22 230.00 140.43 275.00 230.00 434.122 3.755 1.854 1.854 1.854		
	(Imported facilities in Dollar	tem)	(10000)	1995	1996	1997	1995	1999	2000	2001	2002	2003	2004	2005 1,103	2006	2007	2008 1.072	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 864	2020	resid 2021	
	36 Residentia HR+ mater 37 Commercial cooking m 38 commercial AC valve 39 Commercial AC mater 40 Industrial valve 41 Industrial mater 42 A governor 43 B governor 43 B governor 44 Offtaker 45 Turbo chiller (deducter 46 Absorption chiller 47 Total (Case 10 4) 48 Separate utility mater 49 Total (Case 5) 50 Exchange sate		(1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$)			318 39 2 34 29 79 0 125 720 7,124 7,636 1,853 5 1,853 2,350	590 39 3 50 41 110 51 275 1,200 10,539 11,297 3,116 10 3,126 2,350	1,085 39 4 65 67 178 101 500 1,660 13,955 14,958 4,703 10 4,713 2,350	1,138 67 8 125 65 174 101 550 26,138 28,018 6,029 14 6,043 2,350	1,072 96 11 169 65 173 101 500 1,920 35,444 37,993 6,657 10 6,666 2,350	1,072 124 14 213 51 136 101 500 1,440 47,969 6,871 14 6,886 2,350	1,072 153 166 258 55 145 101 500 54,055 57,944 7,869 10 7,879 2,350	1,042 183 20 306 40 107 101 475 1,440 64,275 68,899 8,338 14 8,352 2,350	1,103 194 21 325 58 156 101 525 1,920 68,195 73,101 9,309 10 9,319 2,350	1012 201 22 345 76 203 101 475 2,160 72,368 71,574 9,867 14 9,881 2,350	1002 220 23 366 94 252 101 525 2,880 16,809 82,334 11,060 11,069 2,350	1072 234 25 389 115 308 101 475 3,360 81,534 87,400 11,944 11,959 2,350	249 26 412 128 341 101 525 3.600 \$6,560 \$2,787 12,682 10 12,691 2,350	265 28 439 88 234 101 475 2,640 92,038 94,659 11,963 14 11,977 2,350	283 30 466 175 466 101 500 5,040 97,873 104,914 15,174 10 15,184 2,350	301 32 496 189 505 101 525 5,280 104,085 111,574 15,950 14 16,004 2,350	321 34 528 228 603 101 500 6240 110,700 118,664 17,596 10 17,606 2,350	342 36 561 262 699 101 500 7200 117,740 126,210 19,243 14 19,258 2,350	365 38 597 119 316 101 500 3,600 125,229 134,238 15,717 10 15,726 2,350	388 40 635 321 854 101 475 8,640 133,197 142,779 22,109 144 22,123 2,350	414 43 675 369 985 101 1525 10,080 141,670 151,861 24,456 2,350	441 46 718 376 1,003 101 500 10,320 150,678 161,518 25,417 14 25,432 2,350	469 49 764 393 1,048 101 400 10,560 160,255 171,784 26,177 10 26,187 2,350	2,350		
	(Investment cost in case 1 51 Residential distribution 52 Distribution 53 Residential HR+meter 54 Totel 55 Commercial distribution 58 59 Industrial distribution 58 59 Industrial transmission 60 61 Resid+Comm transmis 62 63 Commercial cooking S 64 Commercial cooking m 65 Coomercial AC SP 66 Commercial AC velve	ans+SP α ision	(1000Rp/m) (mit Rp) (mit Rp) (1000Rp/m) (mit Rp) (1000Rp/m) (mit Rp) (1000Rp/m) (mit Rp) (mit Rp) (mit Rp) (mit Rp) (mit Rp) (mit Rp)		1996	1997 77 747 4544 197 2,000 165 200 711 25,671 228 2,276 10 91 9 5	1998 77 7,045 1,386 8,430 197 2,004 165 279 711 25,671 228 2,276 10 91 13 8	1999 77 12,718 2,502 15,219 197 2,007 165 453 711 25,671 2256 10 91 17 10	2000 11 13,592 2,674 16265 197 2,038 165 444 711 25,671 2276 17 158 33 19	2001 77 12,811 2,520 15,331 197 2,067 165 441 0 0 0 228 2,276 24 225 44 225 44 225	2002 17 12,810 2,520 15,330 197 2,095 165 347 0 0 228 2,276 31 293 56 32	2003 17 12,811 2,520 15,331 197 2,124 165 371 0 0 0 228 2,276 38 360 67 39	2004 71 12,444 2,448 14,892 197 2,154 165 274 0 0 0 228 2,276 45 429 80 46	2005 77 13,176 2,592 15,768 197 2,166 165 397 0 0 228 2,276 48 456 85 49	2006 77 12,810 2,520 15,330 197 2,118 165 516 0 0 228 2,276 51 486 90 52	2007 77 12,811 2,520 15,331 197 2,192 165 642 0 0 228 2,216 55 517 96 55	2008 77 12,810 2,520 15,330 197 2,206 165 784 0 0 228 2,216 58 550 102 58	2009 37 12,811 2,520 15,331 197 2,221 165 868 0 0 228 2,276 62 585 108 62	2010 77 12,810 2,520 15,330 197 2,237 165 596 0 0 0 228 2,276 66 624 115 66	2011 77 12,811 2,520 15,331 197 2,255 1655 1,188 0 0 0 228 2,276 70 665 122 70	2012 77 12,811 2,520 15,331 197 2,273 165 1,287 0 0 228 2,276 75 708 130 74	2013 77 12,811 2,520 15,331 197 2,293 165 1,551 0 0 0 228 2,276 80 755 138 79	2014 77 12,810 2,520 15,330 197 2,314 165 1,760 0 0 0 228 2,276 85 804 4147 147 84	2015 71 12,811 2,520 15,331 197 2,337 165 806 0 0 228 2,276 91 857 156 89	2016 77 12,810 2,520 15,330 197 2,361 165 2,178 1,209 39,457 228 2,276 97 913 165 55	2017 77 12,812 2,520 15,332 197 2,386 165 2,510 1,209 39,451 2,216 1,228 2,276 103 99,22 1,126 101	2018 71 12,811 2,520 15,331 197 2,413 165 2,557 1,209 39,457 228 2,276 110 1,036 168 108	2019 71 10,326 2,031 12,357 197 2,442 165 2,672 1,209 39,457 228 2,276 117 1,103 200 114	2020	resid 2021	

Appendices O = 1

67 Commercial AC meter 68 Industrial SP 69 Industrial valve 70 Industrial meter 71 A governor 72 B governor 73 Officker 74 Other investment 75 Total investment 76 Cumulative investment 71 Depriciation 78 Cumulative depriciation 79 Net property	(mil Rp) (mil Rp)			80 30 69 185 0 294 1,692 200 37,356 37,356 4,669 4,669 32,686	118 42 97 258 119 646 2,820 200 43,082 80,438 9,471 14,141 66,297	156 69 157 418 238 1,175 3,948 600 52,515 132,952 14,851 28,932 103,960	293 67 154 410 238 1,292 4,512 200 54,087 187,039 19,756 48,748 138,291	20,734 69,482	501 53 120 238 1,175 3,384 200 26,450 241,070 21,449 90,931 150,149	605 56 128 342 238 1,175 3,948 200 27,298 268,369 22,180 113,110 155,258	720 41 95 253 1,116 3,384 0 26,042 294,411 22,663 135,773 158,633	164 60 131 366 238 1,233 4,512 200 28,756 323,167 23,424 159,197 163,970	810 78 179 476 238 1,116 5,076 0 28,953 352,120 24,115 183,313 168,808	\$60 97 222 592 238 1,233 6,768 0 31,174 383,294 24,938 208,310 174,984	913 119 271 723 238 1,116 7,896 0 32,640 415,934 25,953 234,263 181,671		1,031 90 206 549 238 1,116 6204 0 30,743 480,324 27,393 288,511 191,753	1,095 180 411 1,095 238 1,175 11,844 0 38,016 518,340 28,721 317,292 201,047	1,166 195 445 1,187 238 1,233 12,408 0 39,027 557,367 30,009 347,302 210,065	1 240 235 536 1,430 238 1,175 14,664 0 42,020 599,387 31,511 378,812 220,575		1,402 122 279 743 238 1,175 8,460 0 34,363 678,549 33,321 445,305 233,244	1,492 330 753 2,008 238 1,116 20,304 0 89,112 767,661 40,295 465,599 282,062	1,586 380 868 2,314 238 1,233 23,688 0 93,621 861,282 46,950 532,559 328,723	52,872	1,795 404 924 2,463 238 940 24,816 0 92,317 1,047,855 57,803 643,235 404,621	-200 -200 1.047,655 50,553 693,787 353,868		
Total investment for PGN in case 3 and 4) 80 PGN investment for residential customen 81 Total investment for PGN 82 Cumulative investment 83 Depriciation 84 Cumulative depriciation 85 Net property	a (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp)	1995	1996	1997 1,340 34,152 34,152 4,269 4,269 29,883	1998 2,486 37,137 71,288 8,377 12,646 58,642	1999 4,487 41,783 113,071 12,553 25,199 87,872	2000 4 796 42 617 155 688 16 311 41 511 114 178	4,520 16,770 172,459 16,369 57,879	2002 4,520 15,640 188,099 16,277 74,157 113,942	16,304 90,460	2004 4,391 15,541 220,127 16,208 106,669 113,458	2005 4,649 17,637 237,764 16,387 123,055 114,708	2006 4,520 18,143 255,906 16,606 139,662 116,245	2007 4,520 20,363 276,269 17,076 156,738 119,531	2008 4,520 21,831 298,099 17,670 174,408 123,692	15,316	2010 4,520 19,933 340,868 18,518 211,242 129,626	2011 4,520 27,205 368,073 19,604 230,846 137,227	2012 4.520 28,217 396,289 20,680 251,526 144,763	2013 4,520 31,209 427,499 21,997 213,523 153,976	• •	2015 4,520 23,552 485,039 23,503 320,521 164,518	2016 4,520 78,302 563,341 30,353 350,873 212,468	2017 4,520 82,810 646,151 36,910 387,783 258,368	42,727 430,510	2019 3,643 83,604 813,200 47,836 478,346 334,854	2020 r -200 813,000 41,832 520,178 292,822	esid 2021	
(Total investment for PGN in case 5) 85 PGN investment for residential customen 87 PGN investment for cooking HR+SP+met 89 PGN investment for AC SP+metertvelve 90 Separate utility meter 91 PGN investment for PGN 93 Cumulative investment 94 Depriciation 95 Cumulative depriciation 96 Net property	i (mil Rp) i (mil Rp)	1995	1936	1997 0 0 11 0 30,135 30,135 3,135 3,767 26,368	1998 0 0 23 0 31,785 61,921 7,269 11,036 50,885	1999 0 0 23 0 33,453 95,373 10,542 21,578 73,795	2000 0 0 34 0 34,007 129,380 13,475 35,054 94,327	2001 0 0 23 0 8,316 137,656 12,830 47,884 89,812	2002 0 0 34 0 6.972 144.658 12.033 59.982 84.686	2003 0 0 23 0 7,382 152,050 11,508 71,490 80,559	2004 0 0 34 6,595 158,644 10,894 82,385 76,260	2005 0 0 23 0 8,209 166,854 10,559 92,943 73,911	2006 0 0 34 0 8,873 175,727 10,348 103,291 72,436	2007 0 0 23 0 10,858 186,585 10,412 113,703 72,882	2009 0 0 34 0 12,342 198,927 10,653 124,356 74,571	2009 0 0 23 0 13.097 212.025 10.959 135.915 76.710	2010 0 0 34 0 10,194 222,218 10,863 146,178 76,041	2011 0 0 23 0 17,255 239,473 11,662 157,839 81,633	2032 0 0 34 0 18.073 257.544 12.463 170.303 87.241	2013 0 0 23 0 20,753 278,296 13,499 183,802 94,495	14,784 198,585	2015 0 0 23 0 12,947 315,019 14,554 213,140 101,879	2016 0 0 34 67,577 382,596 21,182 234,322 148,274	2017 0 0 23 0 71,753 454,349 27,503 261,825 192,524		38,140	-200 599,866 33,341 366,434 233,432	asid 2021	
(Total investment for separate utility in case 5 97 Residential distribution 98 Commercial distribution 99 Commercial Acting mater 100 Commercial AC mater 101 B governor 102 Other investments 103 Total investment 104 Cumulative investment 105 Deprictation 106 Cumulative deprictation 107 Nat property	(mil Rp) (mil Rp)	1995 4,544 2,000 91 80 294 200 7,208 7,208 7,208 901 901 6,307	1936 8,430 2,004 91 118 646 0 11,289 18,497 2,200 3,101 15,397	1997 15,219 2,007 91 156 1,175 200 18,848 37,345 4,281 7,381 29,964	1998 16265 2,038 158 293 1,292 200 20,246 57,591 6,276 13,657 43,934	1999 15,331 2,067 225 397 1,175 0 19,195 76,786 7,891 21,548 55,237	2000 15,330 2,035 293 501 1,175 200 19,593 96,379 9,354 30,902 65,477	2001 15,331 2,124 360 605 1,175 0 19,595 115,974 10,634 41,536 74,438	2002 14,892 2,154 429 720 1,116 0 19,310 135,284 11,719 53,255 82,030	2003 15,768 2,166 456 764 1,233 0 20,388 155,672 12,802 66,057 89,615	2004 15,330 2,178 486 810 1,116 0 19,920 175,592 13,692 79,749 95,844	2005 15.331 2,192 517 860 1,233 200 20,333 195,926 14,522 94,271 101,655	2006 15,330 2,206 550 913 1,116 0 20,114 216,040 15,221 109,492 106,543	2007 15,331 2,221 585 969 1,233 0 20,340 236,380 15,861 125,353 111,027	2008 15.330 2.237 624 1,031 1,116 0 20.337 256,717 16,421 141,773 114,944	2009 15.331 2.255 665 1,096 1,175 -200 20,321 277,038 16,908 158,682 118,357	2010 15,331 2,273 708 1,166 1,233 0 20,712 297,750 17,384 176,065 121,685	2011 15,331 2,293 755 1,240 1,175 0 20,793 318,543 17,810 193,875 124,668	2012 15,330 2,314 804 1,318 1,318 1,318 1,318 20,942 339,486 18,201 212,076 127,409	2013 15,331 2,337 8,57 1,402 1,175 0 21,102 360,588 18,564 230,640 129,947		2015 15,332 2,386 972 1,586 1,233 0 21,510 403,308 19,222 268,757 134,552	2016 15.331 2,413 1,036 1,687 1,175 0 21,642 424,950 19,524 288,281 136,669	2017 12,357 2,442 1,103 940 0 18,636 443,586 19,413 307,694 135,892	2018 0 0 0 0 443,586 16,987 324,681 118,906	2019	2020 r	a sid 2021	
(Cumulative workers in case 1 to 4) 108 Administrative staff 109 Administrative workers 110 Sales 111 Mater reading 112 Collecting 113 High-modium pressure 114 Low pressure 115 Mater administration 116 Total 117 Total white collar 118 Total white collar 118 Salery per a white collar 129 Sarely per a blue collar	(persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons)	1995	1996	1997 16 36 21 9 28 10 120 16 104 76,262 14,744	1998 35 76 36 4 5 17 75 27 274 35 239 76262 14,744	1999 62 126 61 9 14 23 152 55 503 62 441 76262 14,744	2000 81 154 61 19 28 293 81 677 81 595 76,262 14,744	2001 92 163 54 27 42 30 280 101 789 92 697 76,262 14,744	2002 99 163 50 34 52 30 328 119 816 99 777 76,252 14,744	2003 102 157 47 40 62 31 369 133 941 102 839 76,262 14,744	2004 103 147 43 45 69 31 400 145 983 103 881 76,262 14,744	2005 102 137 42 49 75 31 430 156 1,021 1,021 1,021 919 76,262 14,744	2006 100 124 38 53 81 30 452 164 1.042 100 942 76,262 14,744	2007 96 112 36 56 85 30 469 170 1.053 96 957 16262 14.744	2008 92 100 33 58 88 30 431 175 1.058 92 966 76,262 14,744	2009 87 88 31 60 91 30 490 178 1.056 87 969 76,262 14,744	2010 82 78 29 61 92 29 496 180 1.043 82 966 76,262 14,744	2011 77 68 27 62 93 29 499 181 1.037 77 960 76,262 14,744	2012 72 59 26 63 94 28 499 182 1,022 72 72 950 76,262 14,744	2013 66 51 24 63 94 28 497 181 1,005 66 938 76,262 14,744	2014 62 44 22 64 94 28 492 179 985 62 924 76,262 14,744	2015 57 38 21 64 93 21 487 177 953 57 907 76,262 14,744	2016 52 33 19 63 92 28 479 175 942 52 889 76,262 14,744	2017 49 28 18 63 91 29 471 172 919 48 871 75,262 14,744	2018 44 24 17 62 89 29 462 169 896 44 852 76,262 14,744	2019 40 20 13 62 87 29 447 164 862 40 823 76262 14,744	2020 r 34 16 61 85 28 417 153 793 34 759 76,262 14,744	ə <b>şid 2021</b>	·
(Cumulative workers for PGN in case 5) 121 Administrative staff 122 Administrative workers 123 Sales 124 Meter reading 125 Collecting 125 Collecting 126 High- medium pressure 127 Low pressure 128 Meter administration 129 Total 130 Total white collar 131 Total blue collar 132 Salery por a white collar 133 Sarely per a blue collar	(persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (porsons) (1000Rp-'y)		1996	1997 10 24 0 9 28 0 72 10 61 76,262 14,744	1998 21 47 0 0 17 75 0 160 21 138 76,262 14,744	1999 37 5 0 23 152 287 37 250 76,262 14,744	2000 49 92 0 0 29 223 0 394 49 345 76262 14,744	2001 55 98 0 0 30 280 0 464 55 408 76,262 14,744	2002 60 93 0 0 30 30 328 0 517 60 457 76262 14,744	2003 62 95 0 0 31 369 0 557 62 495 76262 14,744	2004 62 90 0 31 400 584 62 522 76,262 14,744	2005 62 83 0 1 31 430 0 607 62 544 76,262 14,744	2006 61 76 0 1 30 452 0 620 61 559 76,262 14,744	2007 59 69 0 1 30 469 0 627 59 569 76262 14,744	2008 56 61 0 1 30 481 0 630 56 514 76252 14,744	2009 54 54 0 0 1 30 490 629 54 516 76262 14,344	2010 51 43 0 0 1 29 496 0 625 51 575 76262 14,744	2011 48 42 0 1 29 499 0 619 48 571 76,262 14,744	2012 44 31 0 0 1 28 493 0 610 414 566 76262 14,744	2013 41 32 0 0 1 28 497 1 600 41 558 76,262 14,744	2014 39 28 0 1 28 492 1 588 39 550 76262 14,744	2015 36 24 0 0 1 27 487 1 575 36 539 76262 14,744	2016 33 21 0 0 1 28 479 1 563 33 530 76262 14,744	2017 31 18 0 0 1 29 471 1 1 550 31 5202 76,262 14,744	2018 28 15 0 0 1 29 462 1 536 28 506 28 76262 14,744	2019 26 13 0 1 29 447 1 518 26 492 76262 14,744	2020 rd 23 11 0 1 28 411 1 480 23 458 76262 14,744	ssid 2021	

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Appendices O - 2 -

	(Cumulative workers for separate utility in case 134 Administrative staff 135 Administrative workers 136 Sales 137 Moter reading 138 Collecting 139 High-modium pressure 140 Low pressure 141 Moter administration 142 Total 143 Total blue collar 143 Total blue collar 145 Salary per a white collar 146 Saraty per a blue collar	(persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons)	1995 4 9 21 0 0 0 0 0 0 34 4 30 50,842 9,829	1996 11 23 36 3 5 0 0 9 87 11 76 50,842 9,829	1997 21 42 61 8 13 0 0 25 170 21 149 50,842 9,829	1998 28 53 61 17 28 0 0 51 238 28 210 50,842 9,829	1939 33 58 53 25 41 0 0 0 75 285 33 252 50,842 9,829	2000 36 59 50 32 52 0 94 323 36 287 50,842 9,829	2001 38 58 47 37 61 0 0 110 351 38 313 55,842 9,829	2002 38 54 42 69 0 0 124 369 33 331 50,842 9,829	2003 38 50 42 46 75 0 0 135 386 38 343 50,842 9,829	2004 38 47 38 80 0 0 145 397 38 359 50,842 9,829	2005 36 41 35 52 84 0 0 152 400 36 364 50,842 9,829	2005 35 38 33 54 88 0 0 158 406 35 371 50,842 9,829	2007 33 31 55 90 0 162 404 33 371 50,842 9,829	2008 31 29 29 56 92 0 0 165 402 31 371 50,842 9,829	2009 29 25 27 93 0 0 167 393 29 369 50,842 9,829	2010 27 25 55 93 0 0 168 392 27 355 50,842 9,829	2011 25 19 23 58 93 0 0 168 386 25 361 50,842 9,829	2012 23 16 22 93 0 0 168 379 23 356 50,842 9,829	2013 21 14 207 92 0 0 166 370 21 349 50.842 9.829	2014 20 12 19 56 91 0 0 0 165 363 20 343 50.842 9.829	2015 18 10 18 56 90 0 0 162 354 18 336 50,842 9,829	2016 16 8 15 55 83 0 0 0 159 342 16 326 50,842 9,829	2017 15 74 54 87 0 0 156 331 15 316 50,842 9,829	2018 13 6 52 84 0 0 152 307 13 294 50,842 9,829	2019	2020	esid 2021	
	(Social benefit & loss analyses in case 1 to 4) 147 Social benefit for residential customers 148 Social benefit for commercial cooking 149 Social benefit for commercial cooking 149 Social benefit for commercial AC 150 Social benefit for commercial cooking 153 Social benefit for commercial cooking 153 Social benefit for commercial cooking 154 Social benefit for commercial total 155 Social benefit for commercial total 155 Social benefit for commercial total 155 Social benefit for industrial customers 156 Total social benefit from gas sales 157 Social boss for gas supplied 158 Total social boss from gas supplied 159 Gross social benefit 160 Incremental gross social benefit 161 Total Investment 162 LPG bottle repurchase (residential) 163 In house pipeline instaliation (residential) 164 In bouse pipeline instaliation (cooking) 165 In house pipeline instaliation (cooking) 166 In house pipeline instaliation (AC) 167 Turbo chiller 168 Absorption chiller 169 FO tank installation 170 In house pipeline (industrial) 171 Imported facilites (included) 172 Imported tax 173 Net social loss for facilities 174 Labor cost (incremental Staffs 175 Workers 176 Pensions 177 Total 178 Income tax (included) 179 Administrative expenses 180 Maintenance & other Expenses 181 Value tocial benefit 183 EIRR 184 NSB as of 10% 185 NSB as of 15%	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Ril Rp) (Ril Rp)	1595		1997 800 528 308 2,213 3,765 4,491 8,256 295,807 306,275 167 163,057 143,218 0 37,356 1,186 2,371 5 94 94 16,740 17,945 3,937 0 39,114 1,183 1,540 2,72 2,995 3,31 8,98 747 150 -43,273 34,2% 970,601 435,187		1999 800 800 528 309 7,345 5,055 13,015 349,522 369,862 175,262 32,044 52,515 3,971 7,942 5,515 3,971 7,942 2,582 7,38 9,616 0 57,273 3,711 2,659 5,799 -42,026	167 224,571	167	557,655 174 297,482 260,174	2003 800 528 308 32,943 9,444 32,465 41,910 538,317 178 331,482 281,689 138,471 27,298 4,000 21 374 711 121,029 135,168 2,112 604 17,045 0 39,992 12,364 2,015 6,652 5,367 1,033 67,786	2004 800 528 308 39,405 11,294 42,714 54,068 579,837 673,310 182 368,909 304,401 161,182 26,042 3,636 7,771 24,72 3,636 151,047 161,913 1,550 446 18,187 04 40,946 7,824 12,583 2,081 22,837 2,472 6,865 5,883 1,159 88,225	2005 800 528 308 45,750 13,447 54,676 68,122 610,508 724,380 124,380 124,380 179,454 22,673 179,454 22,756 4,114 8,229 27 475 897 160,258 171,786 2,262 646 20,387 0 44,128 7,789 13,553 2,134 23,477 2,524 7,043 6,463 1,228 102,095	2006 800 528 308 52.641 15.725 67.246 82.971 654.976 790.588 190 444.479 202.890 202.890 202.890 202.890 20.890 20.890 20.890 20.505 952 170.064 182.298 2.942 841 21,739 0 0 44.514 7.594 13.890 2.148 2.528 7.090 7.042 1.265 124.642 1.265 1.265 1.265 1.265 1.265 1.265 1.265 1.275 1.245	2007 800 800 528 308 59,448 18,137 80,527 98,665 712,804 870,917 193 494,812 376,104 232,886 31,174 4,000 8,000 8,000 30 537 1,010 180,501 193,486 3,658 1,045 24,543 0 47,063 7,326 14,116 2,144 23,586 2,511 7,076 7,668 1,345	2008 800 528 308 66,354 115,259 784,703 966,316 197 558,623 407,634 32,640 40,000 32 572 1,072 191,605 205,389 4,470 1,277 26,622 0 0 4,8,843 7,002 14,240 2,124 23,366 2,474 7,010 8,199 1,394 180,805 2,474 180,805 2,474 180,805 2,474 180,805 2,474 2,124 2	210 663,843 414,869 271,671 33,646 4,000 34 609 1,139 203,416 218,050 4,947 1,414 218,050 4,947 1,414 218,050 0 50,459 6,640 14,279 2,092 23,011 2,424 6,903 8,992 1,445	201,648 1 217 763,639 438,009		1,456,252 227	1,313,740 1,629,832 231	237,512 1,487,418 1 1,834,339 2 236 1,272,123 1	262,402 1,636,810 2,066,074 2,42 1,474,190 591,835 448,666 34,363 4,000 8,000 8,000 8,910 1,647	288,810 1,777,088 2,190,224 247	2,020,982 2,469,684 252	2,302,060 2,788,127 257	2019 800 528 308 147,200 61,572 316,566 378,138 2,588,474 3,113,812 2,622 2,427,341 2,626 2,427,341 2,648 655 1,147 2,108 376,599 403,692 15,223 4,349 60,349 60,349 60,349 60,349 10,349 60,349 114,950 3,028 12,130 1,516 16,674 1,667 5,002 20,957 2,360 389,697	800 800 528 308 153,634 66,815 344,830 411,645 2,887,683 3,452,962 267	0 0 44.410 4.420 13.323 61.266 6,731	
	(Social borrefit & loss analyses in case 5) 186 Incremental gross social benefit 187 Total Investment 188 Imported facilities (included) 189 Imported facilities (included) 189 Imported fax 190 Net social loss for facilities 191 Labor cost (incremental Staffs 192 Workers 193 Pensions 194 Total 195 Income tax (included) 196 Administrative expenses 197 Maintenance & other Expenses 198 Vatie tax (included) 199 Net social benefit 200 EHRR 201 NSB as of 104 202 NSB as of 154	(mit Rp) (mit Rp)	1995	<b>1996</b>	1997 0 37,367 3,937 0 39,114 998 1,199 170 2,366 270 710 747 132 -42,546 36,0A 996,676 455,103	1998 13,046 43,104 6,527 0 46,153 2,193 2,784 367 5,344 607 1,603 1,603 2,92 -40,786	1999 32,044 52,337 9,616 0 57,273 3,866 5,148 648 9,663 1,095 2,899 2,654 505 -38,668	2000 62,869 54,321 12,631 0 61,440 5,134 7,149 880 13,162 1,485 3,949 3,739 699 -17,471	2001 95,439 27,604 14,195 0 36,455 5,907 8,498 1,025 15,429 1,736 4,629 4,290 811 37,150	2002 116,955 26,684 14,699 0 37,478 6,383 9,566 1,130 17,019 1,914 5,124 4,821 904 55,038	2003 138,471 27,121 17,045 0 39,992 6,657 10,378 1,203 18,237 2,068 5,411 5,360 985 72,608	2004 161,182 26,076 18,187 0 40,946 6,693 10,943 1,245 18,880 2,098 5,664 5,879 1,049 92,928	2005 179,454 28,779 20,337 0 44,128 6,674 11,447 1,277 19,398 2,146 5,819 6,451 1,115 106,897	2006 202,890 28,937 21,739 0 44,514 6,511 17,711 1,288 19,630 2,163 5,859 7,026 1,174 129,133	2007 232,886 31,396 24,543 0 41,063 6,316 11,962 1,287 19,565 2,144 5,870 7,650 1,229 155,687	2008 264,415 32,674 26,622 0 48,843 6,078 12,110 1,276 19,464 2,123 5,839 8,299 1,285 185,403	2009 271,671 33,669 28,355 0 50,459 5,765 12,137 1,258 19,160 2,078 5,748 8,968 1,338 190,729	30,777 26,665 0 49,701 5,436 12,118 12,33 18,787 2,027 5,636 9,579 1,383	2011 312,801 37,838 34,212 0 55,667 5,102 12,047 1,205 18,354 1,970 5,506 10,330 1,440 226,531	2012 346,407 39,061 36,129 0 57,449 4,765 11,926 1,173 17,865 1,908 5,360 11,106 1,497 257,998	2013 333,550 41,843 39,903 0 60,620 4,433 11,780 1,139 17,353 1,843 5,205 11,937 1,558 292,014	2014 418,997 45,034 43,774 0 63,796 4,107 11,603 1,104 15,814 1,281 1,625 323,680	2015 448,666 34,385 35,487 0 58,741 3,786 11,382 1,067 16,234 1,706 4,870 13,512 1,671 358,664	2016 455,956 89,145 50,503 0 109,413 3,535 11,185 1,033 15,752 1,649 4,726 15,288 1,819 314,211	2017 448.617 93.644 56.024 0 114.114 3.242 10.952 939 15.203 1.583 4.561 17.153 1.974 341,060	2018 519,902 94,490 58,283 0 115,319 2,959 10,697 964 14,620 1,514 4,386 19,035 2,129 368,952	2019 543.253 92.340 60.349 0 114.950 2.722 10.361 922 14.005 1.444 4.202 20.873 2.280 392.925	2020 558,511 -200 0 -200 2,381 9,637 847 12,871 1,322 3,861 20,869 2,248 524,679	0 0 35,753 3,671 10,726 57,970 6,245	
 . :	(Price of gas in case 1) 203 Gas Sales Price Residential 204 Commercial (Gooking) 205 Commercial (Boiler+AC) 206 Industrial 207 Gas Purchase Price	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1997 370 330 330 315 162	1998 370 330 330 315 168	1999 370 330 330 315 174	2000 370 330 330 315 183	2001 370 330 330 315 192	2002 370 330 330 315 199	2003 370 330 330 315 204	2004 370 330 330 315 209	2005 370 330 330 315 212	2006 370 330 330 315 216	2007 370 330 330 315 219	2008 370 330 330 315 223	2009 370 330 330 315 227	2010 370 330 330 315 230	2011 370 330 330 315 232	2012 370 330 330 315 237	2013 370 330 330 315 241	2014 370 330 330 315 246	2015 370 330 330 315 252	2016 370 330 330 315 257	2017 370 330 330 315 262	2018 370 330 330 315 267	2019 370 330 330 315 272	2020 370 330 330 315 277	esid 2021	

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Appendices O — 3

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(Price of gas in case 2) 208 Gas Sales Price Residentia) 209 Commercial (Cooking) 210 Commercial (Boiler+AC) 211 Industrial 212 Gas Purchase Price	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1995	1997 370 330 330 315 162	1998 413 330 330 315 168	1999 456 330 330 315 174	2000 459 330 330 315 183	2001 542 330 330 315 192	2002 585 330 330 315 199	2003 628 330 330 315 204	2004 671 330 330 315 209	2005 714 330 330 315 212	2006 757 330 330 315 216	2007 800 330 330 315 219	2008 800 330 330 315 223	2009 800 330 330 315 227	2010 800 330 330 315 230	2011 800 330 330 315 232	2012 800 330 330 315 237	2013 800 330 330 315 241	2014 800 330 330 315 246	2015 800 330 330 315 252	2016 800 330 330 315 257	2011 800 330 330 315 262	2018 800 330 330 315 267	2019 800 330 330 315 272	2020 re 800 330 330 315 277	ssid 2021
(Price of gas in case 3) 213 Gas Sales Price Residential 214 Conumercial (Cooking) 215 Conumercial (BoilertAC) 216 Industrial 217 Gas Purchase Price	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1997 370 330 330 315 162	1998 370 330 330 315 168	1999 970 330 330 315 174	2000 370 330 330 315 183	2001 370 330 330 315 192	2002 370 330 330 315 199	2003 370 330 330 315 204	2004 370 330 330 315 209	2005 370 330 330 315 212	2006 370 330 330 315 216	2007 370 330 330 315 219	2008 370 330 330 315 223	2009 370 330 330 315 227	2010 370 330 330 315 230	2011 370 330 330 315 232	2012 370 330 330 315 237	2013 370 330 330 315 241	2014 370 330 330 315 246	2015 370 330 330 315 252	2016 370 330 330 315 257	2017 370 330 330 315 262	2018 370 330 330 315 267	2019 370 330 330 315 272	2020 re 370 330 330 315 277	əsid 2021
(Price of gas in case 4) 218 Gas Sales Price Residential 219 Commercial (Cooking) 220 Commercial (BoilertAC) 221 Industrial 222 Gas Purchase Price	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1997 370 330 330 315 162	1998 413 330 330 315 168	1999 456 330 330 315 174	2009 499 330 330 315 183	2001 542 330 330 315 192	2002 585 330 330 315 199	2003 628 330 330 315 204	2004 671 330 330 315 209	2005 714 330 330 315 212	2006 757 330 330 315 216	2007 800 330 330 315 219	2008 800 330 330 315 223	2009 800 330 330 315 227	2010 800 330 330 315 230	2011 800 330 330 315 232	2012 800 330 330 315 237	2013 800 330 330 315 241	2014 800 330 330 315 245	2015 800 330 330 315 252	2016 800 330 330 315 257	2017 800 330 330 315 262	2018 800 330 330 315 267	2019 800 330 330 315 272	2020 re 800 330 330 315 277	ss4 2021
(Price of gas of PGN for separate utility in case 223 Gas Seles Price Residential 224 Commercial (Gooking) 225 Commercial (BoilertAG) 226 Industrial 227 Gas Purchase Price	6 5) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1597 315 315 315 315 315 162	1998 315 315 315 315 315 168	1999 315 315 315 315 315 174	2000 315 315 315 315 315 183	2001 315 315 315 315 315 192	2002 315 315 315 315 315 199	2003 315 315 315 315 315 204	2004 315 315 315 315 209	2005 315 315 315 315 315 212	2006 315 315 315 315 216	2007 315 315 315 315 315 219	2008 315 315 315 315 223	2009 315 315 315 315 315 227	2010 315 315 315 315 315 230	2011 315 315 315 315 232	2012 315 315 315 315 237	2013 315 315 315 315 315 241	2014 315 315 315 315 315 246	2015 315 315 315 315 315 252	2016 315 315 315 315 315 257	2017 315 315 315 315 262	2018 315 315 315 315 315 267	2019 315 315 315 315 272	2020 re 315 315 315 315 315 277	ssd 2021
Caso 1 PGN operates, when Gas Sales Pric (Financial Feasibility Analysis)	e of Reside	ntial Secto	or remaine	d the same	45 ROW.	1975. 19			· · · · ·	н 1. н. 1. – П			· .			· .			: .:					ی اور اور اور				
228 SalesResidential229Commercial Cooking230Commercial BollertAC231Commercial Total233 Total233 Total234 Gas material cost235 Gross profit235 Gross profit236 Gross profit236 Gross profit237 Property Tax238 Labor cost (incremental Staffs239Workers240Pensions241Total242 Administrative expenses243 Maintenance & other expenses244 Total investment245 Before tax cash flow246 IRR of before tax cash flow247 NPV as of 10%248 NPV as of 15%248 NPV as of 15%248 NPV as of 15%247 Constance	(mi Rp) (mi Rp)			1997 1,023 1,553 2,807 4,360 302,529 307,913 158,550 149,363 0 33 1,183 1,540 272 2,995 838 747 37,356 -42,029 16,65 259,105 35,681	1998 1,846 1,819 3,597 5,416 325,461 325,461 332,723 177,062 155,661 6,298 66 2,648 3,528 618 6,194 2,038 1,609 43,082 -47,291	1999 3.397 2.085 4.975 7.060 357,465 367,923 203,279 164,644 15,281 104 4.745 6.459 1,124 12,388 3,711 2,659 52,515 -56,075	2000 6276 2.351 6.943 9.294 409,377 424,948 245,724 179,224 29,861 138 6,211 6,779 1,459 16,489 4,947 3,741 54,087 -49,541	2001 9,350 2,742 16,356 19,137 460,281 482,768 292,928 189,841 40,478 40,478 40,478 40,478 145 7,015 10,271 1,729 19,015 5,705 4,292 27,581 -16,261	2002 12,278 3,256 14,845 18,102 510,813 340,605 200,587 51,225 150 7,528 11,457 11,459 20,884 6,265 4,821 26,450 -7,345	2003 15,236 3,896 20,291 24,187 550,553 380,280 209,696 60,334 155 7,792 209,696 60,334 155 7,792 12,364 2016 22,172 6,557 5,367 27,293 -1,310	2004 18,225 4,659 26,734 31,393 593,015 642,632 423,105 219,527 70,165 159 7,824 12,983 2,081 22,887 6,866 5,888 26,042 8,322	457,618	2005 24,346 6,486 42,029 43,515 669,862 742,724 504,326 742,724 504,326 13,890 2,148 23,633 7,090 2,148 23,633 7,090 7,042 28,953 22,147	2007 27,495 7,482 50,330 57,811 729,004 814,310 562,678 251,631 102,269 175 7,326 14,116 2,144 23,585 7,016 7,666 31,174 32,592	2008 30,689 8,536 59,104 67,640 802,537 900,865 633,360 267,505 118,142 182 7,002 14,240 2,124 23,365 7,010 8,319 32,640 46,625	2009 33,929 9,653 68,331 78,034 892,392 1,004,355 111,993 285,362 136,999 188 6,640 14,275 2,092 23,011 6,903 8,992 33,646 64,258	2010 37,216 10,837 78,194 89,031 991,840 11,18,087 811,051 307,036 157,673 192 6,254 14,244 2,050 22,548 6,764 9,606 30,743 87,820	1,201,267	113,037 1,196,142 1 1,353,008 1 1,009,210 1 343,798	516,927 150,815 366,111	140,023 1,521,223 1,711,848 1,326,027	1,933,952	170,387 1,817,476 2,045,364 1,655,465 1,655,465 240,536 240,536 240,536 282 3,979 13,114 1,709 18,803 5,641 15,353 89,112	2,066,913	2,354,380 2,623,468 2,207,691 415,777	223,252 2,647,303 2,938,636 2,519,987	71,056 27,551 215,519 243,080 2,953,312 3,267,448 2,854,215 413,173 263,810 3,54 2,615 11,193 15,1188 4,557	91,496 27,449 126,224
(Down Side Sensitivity Analyses) 249 24 contingency sales Vc Gross profit 250 10% contingency total investment 251 Before tax cash flow 252 IRR of before tax cash flow 253 NPV as of 10% 254 NPV as of 15%	(mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp)	1995	1996	1997 0 41,092 -45,764 13,3% 125,346 -38,289	1998 5,802 47,390 - 52,095	1999 14,081 57,766 -62,527	2000 27,521 59,496 -57,290	2001 36,981 30,339 -22,516	2002 46,559 29,095 -14,655	2003 54,693 30,028 -9,681	2004 63,470 28,647 -976	2005 70,733 31,632 1,955	2006 80,338 31,848 10,556	2007 92,141 34,291 19,346	2008 106,283 35,904 31,502	2009 123.071 37.011 46.965	2010 141,470 33,818 68,542	2011 155,170 41,817 74,173	2012 173,534 42,930 91,400	46,222	2014 208,380 49,279 119,805	2015 216,962 37,799 140,063		2017 214,594 102,983 70,460		101,549	2020 10 204,619 1 -220 163,797 1	
(Financial Analyses with In House Installation) 255 LPG bottle repurchase 256 In house pipeline installation 257 Before tax cash flow 258 IRR of before tax cash flow 259 NPV as of 104 (financial) 260 NPV as of 155 (financial)	(mil Rp) (mil Rp) (mil Rp)	1995	1996	1997 1,186 2,371 -43,214 15,74 234,677 16,150	1998 2,200 4,399 -49,490	1999 3,971 7,942 - 60,046	2000 4,244 8,488 ~53,785	2001 4,000 8,000 -20,261	2002 4,000 8,000 -11,345	2003 4,000 8,000 -5,310	2004 3,886 7,771 4,437	2005 4,114 8,229 8,263	2006 4,000 8,000 18,147	2007 4,000 8,000 28,592	2008 4,000 8,000 42,626	2009 4,000 8,000 60,258	2010 4,000 8,000 83,820	2011 4,000 8,000 91,841	2012 4,000 8,000 112,204	2013 4,000 8,000 131,491	2014 4.000 8.000 143,364	2015 4,000 8,000 172,020	2016 4,000 7,999 107,346	2017 4,000 8,001 115,961	2018 4,000 8,000 125,929	2019 3,224 6,448 130,707	2020 re 0 222,958 1,	421,096
(Down Side Sensitivity Analysis) 261 Before tax cash flow 262 IRR of before tax cash flow 263 NPV as of 10% 264 NPV as of 15%	(mil Rp) (mil Rp) (mil Rp)	1995 0	1996 O	1997 -46,950 12.5N 101,086 -57,764	1998 -54,295	1999 -66,498	2000 -61,534	2001 -26,516	2002 -18,656	2003 - 13,681	2004 4,852	2005 -2,160	2006 6,556	2007 15,346	2008 27,503	2009 42,965	2010 64,542	2011 70,172	2012 87,400	2013 103,109	2014 115,805	2015 136,063	2016 63,686	2017 66,459	2018 70,192	2019 68,860	2020 re 163,787 1,	sid 2021 311,371

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Appendices ' O - 4 Case 2 PGN operates when Gas Sales Price of Residential Sector goes up to 800Rp in ten years.

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Case 2 PGN operates when Gas Sales Price	of Resider	ntial Secto	e Roes nb .	to 800Rp in	ten years	6.																						
(Financial Feasibility Analysis)         265 Sales       Residential         266       Commercial       Boiler+AC         267       Commercial       Boiler+AC         268       Commercial       Boiler+AC         269       Industrial       102         270 Total       100       102         271 Gas material cost       272       Gross profit         273 Gross profit (incremental.MMRp)       274       Property Tax         275 Labor cost (incremental.Staffs       276       Workers         271       Pensions       273         274       Total       275       275         275 Labor cost (incremental.Staffs       276       277       Pensions         273       Total       273       273       278         274       Total       277       Pensions       278         278       Total       279       273       274         279       Administrative expenses       280       280       280       281       281       281       281       281       281       281       281       281       281       281       281       281       281       281       281       281       281	(mi Rp) (mi Rp)	1995	1995	307,913 158,550	332,938	1999 4,187 2,085 4,975 7,060 351,465 368,712 203,279 165,434 16,071 104 4,745 6,499 1,124 12,368 3,711 2,659 52,515 -55,286	8,465 2,351 6,943 9,294 409,377 427,136 245,724	487,115 292,928	548,327	2003 25,860 3,896 20,295 24,187 550,553 600,600 380,280 220,321 70,958 155 7,792 12,364 2,016 22,172 6,652 5,367 27,298 9,314		704,934 457,618 247,316	2006 49.811 6.436 42.029 48.515 669.862 768.189 504.326 263.862 114.499 169 7.594 13.890 2.148 23.633 7.090 2.148 23.633 7.090 2.104 23.653 47.612		2008 66,354 8,536 59,104 67,640 802,537 936,531 633,360 303,170 153,808 182 7,002 14,240 2,124 2,3266 7,010 8,319 32,649 82,291	717,993	2010 80,467 10,837 78,194 89,031 991,840 991,840 1,161,339 811,051 200,924 192 6,254 192 6,254 192 6,254 14,244	1,248,338 878,858	113,037 1,195,142   1,403,944	125,134 1,343,598 1 1,571,775 1 1,150,815 1	140,023 521,223 170,655 326,027	1,725,147 1,996,765 1,535,106	19,644 150,743 170,387 1,817,476 2,112,189 1,655,465	2,066,913	2018 139,494 23,363 181,210 204,572 2,354,380 2,698,446 2,207,691 490,755 341,393 370 3,348 12,560 1,591 17,499 5,250 19,111 94,256 204,907	223,252 2,647,303 3,017,756 2,519,987	153,634 27,561 215,519 243,080 ,953,312 ,350,026 ,854,275 346,389 1,6 354 2,615 1,193 1,381 15,188 4,557	73,374 22,012 01,223
(Down Side Sensitivity Analyses) 286 24 contingency sales Vc Gross profit 287 104 contingency total investment 288 Before tex cash flow 289 IRR of before tex cash flow 290 NPV es of 104 291 NPV as of 155	(mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp)	1935	1996	1997 0 41,092 -45,764 17.5% 321,918 61,664	1998 6,012 47,390 ~51,885	1999 14,855 57,766 -61,753	2000 29,665 59,496 -55,146	2001 41,240 30,339 -18,256	2002 53,551 29,095 -7,664	2003 65,104 30,028 730	2004 78,000 28,647 13,553	2005 90,013 31,632 21,234	2006 105,294 31,848 35,511	2007 123,455 34,291 50,661	2008 141,235 35,904 66,455	37,011	2010 183,856 33,818 110,928	2011 201,299 41,817 120,302	2012 223,451 42,930 141,317	2013 246,320 46,222 160,860	2014 266,011 49,279 177,436	2015 278,519 37,799 201,620	\$8,023	2017 284,057 102,983 139,922	2018 293,582 103,682 147,671	2019 294,209 101,549 149,622	2020 resi 285,546 1.6 -220 244,714 1.3	
(Financial Analyses with In House Installation) 292 LPG bottle repurchase 293 In house pipeline installation 294 Before tax cash flow 295 IRR of before tax cash flow 296 NPV as of 10% (financial) 297 NPV as of 15% (financial)	(mil Rp) (mil Rp) (mil Rp)	1995	1996	1997 1,186 2,371 -43,214 19,6% 432,354 117,186	1998 2,200 4,399 -49,276	1999 3.971 7.942 ~59.257	2000 4,244 8,488 -51,595	2001 4,000 8,000 -15,914	2002 4,000 8,000 -4,211	2003 4,000 8,000 5,314	2004 3,885 7,771 19,263	2005 4,114 8,229 27,936	2006 4,000 8,000 43,612	2007 4,000 8,000 60,545	2008 4,000 8,000 78,291	2009 4,000 8,000 99,689	2010 4,000 8,000 127,071	2011 4,000 8,009 138,911	2012 4,000 8,000 163,149	2013 4,000 8,000 186,339	2014 4,000 8,000 207,171	2015 4,000 8,000 234,834	2016 4,000 7,999 174,171	2017 4,000 8,091 185,841	2018 4,000 8,000 200,907	2019 3,224 6,448 209,827	2020 resi 0 305,537 1,5	id 2021 159,646
 (Down Side Sensitivity Analysis) 293 Before tax cash flow 299 IRR of before tax cash flow 300 NPV as of 10% 301 NPV as of 15%	(mil Rp) (mil Rp) (mil Rp)	1995 0	1995 O	1997 -46,950 16,6% 297,379 42,097	1998 -54,084	1999 -65,724	2000 -59,390	2001 -22,257	2002 -11.664	2003 -3,270	2004 9,668	2005 17,120	2006 31,512	2007 46,660	2008 62,455	2009 81,607	2010 106,928	2011 116,301	2012 137,317	2013 156,860	2014 173,436	2015 197,620	2016 129,175	2017 135,922	2018 143,671	2019 146,398	2020 resi 244,714 1,4	id 2021 174,990
Case 3 Residential Distribution Pipoline Inv (Financial Feesbolity Analysis) 302 Sales Residential 303 Commercial Cooking 304 Commercial Cooking 304 Commercial Cooking 305 Commercial Total 306 Cas material cost 309 Gross profit 310 Gross profit (incremental MMRp) 311 Property Tax 312 Labor cost (incremental Staffs 313 Workers 314 Pensions 315 Total 316 Administrative expenses 318 Total investment 319 Before tax cesh flow 321 NPV as of 104 (financial) 322 NPV as of 154 (financial)	(mil Rp) (mil Rp)	iges	l whon ges 1996	1997 1,023 1,553 2,807 4,360 302,529	1998 1,846 1,819 3,597 5,416 325,461	d the sam 1999 3.397 2.035 4.975 7.060 357.465 367.923 203.279 164.644 15.281 88 4.745 6.499 1.124 12.368 3.711 2.659 41.763 -45.327	2000 6,276 2,351 6,943 9,294 409,377 424,948 245,724	2001 9,350 2,742 10,396 460,281 482,768 292,928 189,841 40,478 115 7,015 10,271 1,729 19,015 5,705 4,292 16,770 -5,419	2002 12,278 3,256 14,845 510,813 541,192 340,605 51,225 114 7,528 11,457 1,899 20,884 6,265 4,821 15,640 3,501	2003 15,236 20,291 24,187 550,553 380,280 209,696 60,334 114 7,792 12,364 201,72 6,652 5,367 16,487 9,542		2005 21,159 5,547 34,172 39,719 624,383 685,261 457,618 227,643 78,280 115 7,789 13,553 2,134 23,477 7,043 6,463 17,637 23,546	2006 24,346 6,486 42,029 44,515 659,852 742,724 504,326 238,395 89,035 89,035 116 7,594 13,890 2,148 23,633 7,050 7,042 18,143 33,010	2007 27,495 7,482 50,330 57,811 729,004 814,310 562,678 120 7,326 14,116 2,144 23,586 7,668 20,363 43,458	2008 30,689 8,536 59,104 802,537 900,865 833,360 287,503 118,142 124 7,002 14,240 2,124 23,366 7,010 8,319 21,831 57,433	717,993 286,352	1,118,087 811,051	1,201,267 878,868 322,400 173,037 137 5,858 14,151 2,001 22,010 6,603 10,367 27,205	1,353,008 1,009,210 343,798	1,516,927 1,150,815 356,111 216,749 154 5,071 13,831 1,890 20,792 6,238 11,988 31,209	1,711,848 1,326,027 385,821	1,933,952 1,535,106 398,845	1,817,476 2,045,364 1,655,465 389,899 240,536 212 3,979 13,114 1,709 18,803 5,641 15,353 78,302	2,314,875 1,910,778 404,096	2,354,380 2,623,468 2,207,691 415,777	223,252 2,647,303 2,938,636 2,519,947 418,648 269,286 335 3,028 12,130 1,516 16,674 5,002 20,957 83,604	71,056 27,561 215,519 243,080 2,953,312 2,67,448 8,854,275 413,173 2,63,810 1,3 2,615 11,193 1,381 15,188	77,889 23,367 07,452
(Down Side Sensitivity Analyses) 323 2% contingency sales Vc Gross profit 324 10% contingency total investment 325 Before tax cash flow 326 IRR of before tax cash flow 327 NPV as of 104 328 NPV as of 15%	(mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp)	1995	1995	1997 0 37,557 -42,237 16,1% 199,668 20,429	1998 5,802 40,850 - 45,548	1999 14:081 45:961 -50,705	2000 27,521 46,879 -44,649	2001 36,981 18,448 -10,593	2002 46,559 17,204 -2,729	2003 54,693 18,136 2,252	2004 63,470 17,095 10,620	2005 70,133 19,401 14,235	2006 80,338 19,957 22,500	2007 92,141 22,399 31,294	2008 106,283 24,014 43,451	2009 123,071 25,119 58,917	2010 141,470 21,927 80,495	2011 155,170 29,925 86,129	2012 173,534 31,038 103,357	2013 192,568 34,330 119,067	2014 208,380 37,388 131,764	2015 216,962 25,907 152,024	2016 205,787 86,132 79,646	2017 214,594 91,091 82,423	2018 220,103 91,790 86,155	91,964	2020 resi 204,619 1,2 -220 163,849 1,0	

Appendices O — 5

Financial Analyses with In House Installation)																												
229 LPO bottle repurchase 330 In house pipeline installation 331 Before tax cash flow 332 IRR of before tax cash flow 333 NPV as of 10% (financial) 334 NPV as of 15% (financial)	(mil Rp) (mil Rp) (mil Rp)	1995	1996	1997 1,185 2,371 -40,007 18,4¥ 301,011 69,134	1998 2,200 4,399 -43,538	1999 3,971 7,942 -49,298	2000 4,244 8,488 -42,291	2001 4,000 8,000 -9,419	2002 4,000 8,000 -499	2003 4,000 8,000 5,542	2004 3.886 7.771 14.983	2005 4,114 8,229 19,432	2006 4,000 8,000 29,010	2007 4,000 8,000 39,458	2008 4,000 8,000 53,494	2009 4,000 8,000 71,129	2010 4,000 8,000 94,692	2011 4,000 8,000 102,716	2012 4,000 8,000 123,080	2013 4,000 8,000 142,368	2014 4,000 8,000 159,242	2015 4,000 8,000 182,900	2016 4,000 7,999 118,225	2017 4,000 8,001 126,842	2018 4,000 8,000 136,811	2019 3.224 6.448 139,490	2020 r 0 223,019	e sid 2021 1,212,565
Down Side Sensitivity Analysis) 335 Before tax cash flow 336 IRR of before tax cash flow 337 NPV as of 10% 338 NPV as of 15%	(mil Rp) (mil Rp) (mil Rp)	1935 0	1996 0	1597 -43,422 15.04 175,019 826	1938 - 47,748	1999 -54,676	2000 -48,893	2001 -14,593	2002 -6,729	2003 -1,748	2004 6,735	2005 10,121	2006 18,500	2007 27,294	2008 39,451	2009 54,917	2010 76,495	2011 82,128	2012 99,357	2013 115,067	2014 127,764	2015 143,024	2016 75.646	2017 78,422	2018 82,155	2019 78,515	2020 153,849	resid 2021 1.092,809
Case 4:Residential Distribution Pipeline Invo (Financial Feasibility Analysis)	ested by Go	vernmeat	when Gas	Sales Pric	e to Resid	antial Sec	tor goos i	ip to 8009	lp in ten y	94f5.										·								
339 Sales       Residential         340       Commercial Cooking         341       Commercial BoilertAC         342       Commercial Total         343       Industrial         344       Total         345       Gross profit         346       Gross profit         347       Gross profit         348       Property Tex         349       Lebor cost (incremental MMRp)         348       Property Tex         350       Workers         351       Pensions         352       Total         353       Administrative expenses         354       Maintenance & other expenses         355       Total investment         356       Before tex cash flow         358       NPV as of 154         359       NPV as of 154	(min in the second seco	1995	1995	1997 1,023 1,553 2,807 4,360 302,529 307,913 158,550 149,363 0 30 1,183 1,540 272 2,995 898 747 34,152 -38,822 2,4.0% 523,084 169,690	332,938	203,279	-		2002 19,413 3,256 14,845 18,102 510,813 548,527 340,605 207,722 58,359 11,4 7,528 11,457 1,899 20,884 6,265 4,821 15,640 10,635	2003 25,860 3,896 20,291 24,181 550,553 660,600 380,280 220,321 70,958 1114 7,792 12,364 2,016 22,172 6,652 5,357 16,487 20,166	2004 33,051 4,659 26,734 31,393 593,015 657,458 423,105 234,353 84,991 113 7,824 12,983 2,081 22,887 6,865 5,888 15,541 33,695	2005 40,832 5,541 34,172 39,719 624,383 704,934 457,618 247,316 97,953 115 7,769 13,553 2,134 23,477 7,043 2,134 23,477 7,043 17,637 43,219	2006 49.811 6.486 42.029 48.515 669.862 768.189 504.326 263.862 114.499 116 7.594 13.890 2.148 23.633 7.090 7.042 18.143 58.475		936,531 1 633,360	2009 73,360 9,653 68,381 78,034 892,392 0,43,786 117,993 325,793 128,430 14,279 2,092 23,011 6,903 8,992 22,935 114,561		248,338 1 878,858 1 369,470	403,944 009,210 394,734	511,775	,770,655 ,326,027 444,628	17,946 136,610 154,756 1,725,147 1,996,765 2,535,106 461,659	19,644 150,743 170,387 1,817,476 1,655,465 1,655,465 456,725 307,362 212 212 212 3,979 13,114 1,709 18,803 5,641 15,353 78,302	186,972 2066,913 385,755 385,755 325,614 258 3,655 12,847 1,650 18,151 5,445 17,226 82,810	2,354,380 2,693,446	223,252 2,647,303 3,017,756 3,519,987 497,768 348,406 335 3,028 12,130 1,516 16,674 5,002 20,957 83,604	153,634 27,561 215,519 243,080 953,312 3,350,026	63,285 18,985 87,305
 (Down Side Sensitivity Analyses)	· · ·	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 j	esid 2021
360 2% contingency seles Vc Gross profit 361 10% contingency total investment 362 Before tax cash flow 363 IRR of before tax cash flow 364 NPV es of 13%	(mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp)			0 37,567 -42,237 20,6% 396,590 120,498	6,012 40,850 -45,338	14,855 45,961 -49,932	29,665 46,879 -42,505	41,240 18,448 -6,334	53,551 17,204 4,263	65,104 18,136 12,664	78,000 17,095 25,150	90,013 19,401 33,514	105,294 19,957 47,456	123,455 22,399 62,608	141,235 24,014 78,403	161,713 25,119 97,560	183,856 21,927 122,881	201,299 29,925 132,257	223,451 31,038 153,274	246,320 34,330 172,818	265,011 37,388 189,395	278.519 25,907 213,581	86,132	91,091	91,790	91,964	285,545 -220 244,775	
(Financial Analyses with In House Installation)			1000	1007	1000	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	asid 2021
365 LPG bottle repurchese 367 In house pipeline installation 368 Before tax cash flow 369 IRR of before tax cash flow 310 NPV as of 10% (financial) 371 NPV as of 15% (financial)	(mil Rp) (mil Rp) (mil Rp)	1995	1996	1997 1,166 2,371 -40,007 22.6% 498,826 170,216	1998 2,200 4,399 -43,323	1999 3,971 7,942 -48,508	2000 4,244 8,488 -40,103	2001 4,000 8,000 -5,073	4,000 8,000 6,635	4,000 8,000 16,166	3,586 7,771 29,809	4,114 8,229 39,104	4,000 8,000 54,475	4,000 8,000 71,413	4,000 8,000 89,159	4,009 8,000 110,560	4,000 8,000 137,943	4,000 8,000 149,786	4,000 8,000 174,016	4,000 8,000 197,217	4,000 8,000 218,049	4,000 8,000 245,713	4,000 7,999 185,051	4,000 8,001 197,722	4,000 8,000 211,789	3,224 6,448	0 0 305,598	
(Down Side Sensitivity Analysis)		1995	1996	1997	1958	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 r	
372 Before tex cash flow 373 IRR of before tax cash flow 374 NPV ax of 10% 375 NPV ax of 15%	(mil Rp) (mil Rp) (mil Rp)	0	0		-47,537	-53,903	-46,749	-10,334	263	8,664	21,264	29,400	43,456	58,608	74,404		118,881		149,274	168,818	185,395	209,581	141,135	147,885	155,634	156,053	244,775	1,255,632
 Case 5.Financial feasibility of PGN in separ (Financial Feasibility Analysis)	rate utility o					: 					· · ·				· · · ·						ала Аларана	1000 - 1000 - 1000 - 1000			-			1.0004
316 SalosResidential317CommercialCooking318CommercialBoilort AC319CommercialBoilort AC319CommercialTotal380Industrial381Total381Total382Ces materiel cost383Gross profit384Gross profit385Property Tex386Labor cost (incremental Staffs383Pensions383Total390Administrative exponses391Maintenence & other expenses	(m3 fm) (m3 fp) (m3 fp)	1995	1996	1997 871 1,482 2,679 4,162 302,529 307,563 158,550 149,012 0 26 794 904 170 1,868 560 603		1999 2,892 1,990 4,749 6,739 357,465 367,097 203,297 163,818 14,806 74 2,798 3,664 74 4,848 7,130 2,139 1,907	2000 5,343 2,244 6,627 8,871 409,377 423,592 245,724 177,868 28,856 94 3,710 5,085 880 9,675 2,902 2,588	2001 7,960 2,617 9,923 12,540 460,281 480,781 292,988 187,854 38,842 90 4,229 6,021 1,025 11,275 3,382 2,754	2002 10,453 3,104 14,170 17,279 510,813 539,544 349,657 45,553 6,745 1,130 12,428 3,728 2,893	2003 12,971 9,318 19,369 23,087 550,553 586,612 380,280 81 4,725 7,301 1,203 13,229 3,969 3,041	2004 15,516 4,417 25,518 29,966 533,015 638,496 423,105 215,391 66,379 76 4,761 7,669 1,245 13,695 4,168 3,173	457,618 222,692 73,680 74 4,742 8,026 1,277 14,045 4,214	2006 20,727 6,192 40,118 46,310 669,862 736,899 504,326 232,573 83,561 72 4,639 8,243 1,288 14,170 4,251 3,515		2008 26,127 8,148 56,417 64,565 802,537 833,229 633,360 259,869 110,856 75 4,298 8,464 1,276 14,038 4,211 3,979	2009 28,886 9,214 65,213 74,487 892,392 995,153 277,772 128,759 77 4,087 8,491 1,258 13,835 4,151 4,240	1.108.508	1,190,670 878,868 311,803	1.341.355	120,400 1,343,598 1,504,178 1,150,815	1.697,961 1,326,027 371,934	147,722 1,725,147 1,918,883 1,535,106	162,642 1,817,476 2,029,032 1,655,465 373,607	178,473 2,066,913 2,297,310 1,910,778 386,531	172,973 195,274 2,354,380 2,604,579 2,207,691 396,888	213,104 2,647,303 2,918,368 2,519,987 398,380	60,491 26,308 205,722 232,031 953,312 245,835 854,275 391,561	

0

Appendices O — 6

392 Total investment 393 Before tax cash flow (financial) 394 IRR of before tax cash flow 395 NPV as of 104 (financial) 396 NPV as of 154 (financial)	(mil Rp) (mil Rp) (mil Rp) (mil Rp)			30,135 -33,193 27,0% 432,524 175,268	31,785 -32,196	33,453 -29,898	34,007 -20,410	8,316 13,025	6,972 22,822	7,382 29,619	6,595 38,732	8,209 43,801	8,873 52,680	10,858 62,837	12,342 76,211	13,097 93,359	10,194 116,097	17,255 123,436	18,071 143,048	20,753 161,644	23,715 177,213	12,947 200,158	67,577 134,444	71,753 142,206	72,444 150,882	73,273 150,649	-200 218,402	809,019	
(Down Side Sensitivity Analyses) 397.2% contingency sales Vc Gross profit 398.10% contingency total investment 399.Before tax cash flow 400 IRR of before tax cash flow 401 IRPV as of 10% 402 NPV as of 15%	(mit Rp) (mit Rp) (mit Rp) (mit Rp) (mit Rp)	1995	1996	1997 0 33,149 -36,206 22,8% 315,861 112,860	1998 5,635 34,964 -35,867	1999 13,615 36,798 -34,434	2000 26,536 37,407 -26,133	2001 35,377 9,148 8,729	2002 44,307 7,669 17,505	2003 51,739 8,120 23,300	2004 59,760 7,254 31,454	2005 66,225 9,030 35,525	2006 74,974 9,761 43,206	2007 85,904 11,944 51,751	2008 99,143 13,576 63,264	2009 114,995 14,407 78,285	2010 132,426 11,213 99,059	2011 145,128 18,980 104,048	2012 162,457 19,878 120,565	2013 180,418 22,828 135,636	2014 195,114 26,153 147,028	2015 202,538 14,242 166,637	2016 190,164 74,335 93,256	2017 197,724 78,929 95,236	2018 201,936 79,688 97,697	2019 197,152 80,600 91,106	183,783 -220	resid 2021 806,069 700,305	
(Financial Analyses with In House Installation 403 LPG bottle repurchase 404 In house pipoline installation 405 Before tax cash flow 406 IRR of before tax cash flow 407 NPV as of 104 (financial) 408 NPV as of 155 (financial)	(mil Rp) (mil Rp) (mil Rp) (mil Rp)	1995	1996	1997 1,186 2,371 -34,379 25.0% 406,958 155,363	1998 2,200 4,399 -34,396	1999 3,971 7,942 -33,869	2000 4,244 8,458 -24,653	2001 4,000 8,000 9,025	2002 4,000 8,000 18,822	2003 4,000 8,000 25,619	2004 3,886 7,771 34,847	2005 4,114 8,229 39,685	2006 4,000 8,000 48,680	2007 4,000 8,000 58,837	2008 4,000 8,000 72,212	2009 4,000 8,000 89,358	2010 4,000 8,000 112,098	2011 4,000 8,000 119,436	2012 4,000 8,000 139,047	2013 4,000 8,000 157,644	2014 4,000 8,000 173,213	2015 4,000 8,000 196,158	2016 4,000 7,999 130,444	2017 4,000 8,001 138,206	2018 4,000 8,000 146,882	2019 3,224 6,448 147,425	2020 0 218,402	resid 2021 873,740	•
(Down Side Sensitivity Analysis) 409 Before tax cash flow 410 IRR of before tax cash flow 411 NPV as of 105 412 NPV as of 155	(mil Ro) (mil Rp) (mil Rp)	1995 0	1995 0	1997 -37,392 21,1% 289,529 92,703	1998 -38,067	1999 -38,405	2000 -30,375	2001 4,729	2002 13,505	2003 19,300	2004 27,559	2005 31,411	2006 39,206	2007 47,751	2008 59,264	2009 74,285	2010 95 <u>.</u> 059	2011 100,048	2012 116,565	2013 131,638	2014 143,028	2015 162,637	2016 89,256	2017 91,235	2018 93,697	2019 87,882	2020 159 <u>.</u> 656	resid 2021 756 728	· · ·
Case 5.Financial feasibility of separate ut (Financial Feasibility Analysis) 413 Total sales 414 Cas material cost 415 Gross profit 416 Total salaries 417 Administrative expenses 418 Maintenance & other expenses 419 Property tax 420 Before tax income 421 Total investment 422 Net cash flow 423 FIRR 424 NPV as of 10% 425 NPV as of 15%	ility entities (mil Rp) (mil Rp)	1997 0 0 498 149 144 6 -798 7,208 -8,007 17,5% 120,337 21,495	1998 2,028 800 1,228 1,306 392 370 15 5 -855 11,289 -12,144	1999 5,715 2,252 3,462 2,532 760 747 30 -606 18,848 -19,454	2000 12,345 4,864 3,468 1,046 1,152 44 4 1,751 20,246 -18,435	2001 19.932 7.854 12.079 4.155 1.246 1.536 5.5 5.067 19.195 -14.108	2002 27,594 10,873 16,721 4,651 1,395 1,928 65 8,681 19,593 -10,912	2003 35,641 14,045 21,597 5,009 1,503 2,319 74 12,692 19,595 -6,903	2004 44,052 17,360 26,692 5,185 1,555 2,706 82 17,163 19,310 -2,147	2005 52,639 20,745 31,893 5,353 1,606 3,113 90 21,732 20,388 1,345	2006 61,862 24,381 37,481 5,461 1,638 3,512 95 26,774 19,920 6,854	2007 71,121 28,032 43,089 5,408 1,622 3,919 102 32,038 20,333 11,705	2008 80,611 31,773 48,837 5,426 1,628 4,321 107 37,356 20,114 17,242	2009 90,344 35,611 54,733 5,324 1,597 4,728 111 42,973 20,340 22,633	2010 100,336 39,551 60,785 5,223 1,587 5,134 115 48,746 20,337 28,409	2011 110,503 43,560 56,943 5,101 1,530 5,541 118 54,652 20,321 34,331	2012 120,941 47,618 73,265 4,960 1,488 5,950 1,488 5,950 1,428 60,740 20,712 40,028	2013 131,664 51,905 79,759 4,819 1,446 6,371 125 66,938 20,793 46,205	2014 142,685 56,251 86,434 4,669 1,401 6,790 127 73,447 20,942 52,505	2015 154,019 60,722 93,298 4,498 1,349 7,212 130 80,109 21,102 59,007	2016 165,607 65,292 100,315 4,383 1,316 7,636 132 86,842 21,211 65,631	2017 177,530 69,995 107,535 4,218 1,265 8,066 135 93,851 21,510 72,341	2018 189,607 74,838 114,969 4,018 1205 8,499 137 101,111 21,642 79,469	2019 202,455 79,827 122,628 3,869 1,161 8,872 136 108,591 18,636 89,955	2020 214,140 84,438 129,702 3,551 1,065 8,872 119 116,096 116,096	663,403 665,403			
(Downside Sensitivity Analyses) 426 2% contingency sales vol. Gross profit 427 10% contingency otal investment 428 Before tax cash flow 429 FIRR 430 NPV as of 10% 431 NPV as of 15%	(mit Rp) (mit Rp) (mit Rp) (mit Rp) (mit Rp) (mit Rp)	1997 -792 7,929 -8,721 16.0% 103,655 9,244	1998 -864 12,418 -13,282	1999 -646 20,733 -21,378	2000 1,646 22,271 -20,625	2001 4,900 21,114 -16,214	2002 8,412 21,553 -13,141	2003 12,334 21,555 -9,220	2004 16,712 21,241 -4,530	2005 21,184 22,426 -1,242	2006 26,120 21,913 4,208	2007 31,278 22,366 8,912	2008 36,486 22,126 14,360	2009 41,989 22,374 19,615	2010 47,646 22,371 25,275	2011 53,432 22,354 31,078	2012 59,396 22,783 36,613	2013 65,528 22,872 42,655	2014 71,846 23,036 48,810	2015 78,373 23,212 55,160	2016 84,958 23,332 61,635	2017 91,835 23,661 68,174	2018 98,948 23,806 75,142	2019 106,274 20,500 85,174		resid 2021 710,128			
(Financial Feasibility with In House Pipeline I. 432 LPG bottle selling (residentiel) 433 In house pipeline installation (residentie 434 LPG bottle repurchase (commerciel) 435 In house pipeline installation (cooking) 436 Net cash flow 431 FiRR 438 NPV as of 10% 439 NPV as of 15%	(mil Rp)	15.1% \$5,235	1998 2,200 4,399 5 94 -14,432	1999 3,971 7,942 5 94 -23,514	2000 4,244 8,488 9 164 -22,894	2001 4,000 8,000 13 234 -18,329	2002 4,000 8,000 17 304 -15,199	2003 4,000 8,000 21 374 -11,257	2004 3,886 7,771 25 446 -6,453	2005 4,114 8,229 27 475 -3,217	2006 4,000 8,000 29 505 2,311	2007 4,000 8,000 30 537 7,198	2008 4,000 8,000 32 572 12,703	2009 4,000 8,000 34 609 18,059	2010 4,000 8,000 37 649 23,797	2011 4,000 8,000 39 691 29,678	2012 4,000 8,000 42 737 35,333	2013 4,000 8,000 44 785 41,465	2014 4,000 8,000 47 836 47,716	2015 4,000 8,000 50 891 54,166	2016 4,000 7,999 54 949 60,736	2017 4,000 8,001 57 1,011 67,387	2018 4,000 8,000 61 1,017 74,453	2019 3,224 6,448 65 1,147 85,649	2020 1 0 0 0 116.096	768,845		· · · · ·	
(Downside Sansitivity Analyses) 440 Baloce tex cash flow 441 FIRR 442 NPV as of 104 443 NPV as of 154	(mil Rp) (mil Rp) (mil Rp)	14.0%	1998 -15,570	1999 -25,438	2000 -25,024	2001 -20,435	2002 -17,427	2003 -13,574	2004 -8,836	2005 -5,804	2006 -268	2007 4,405	2008 9,821	2009 15,041	2010 20,663	2011 26,426	2012 31,918	2013 37,915	2014 44.021	2015 50,320	2016 56,741	2017 63,220	2018 70,126	2019 81,468		esid 2021 811,574			
(Gas price of separate utility) 444 Sales price (residential) 445 Sales price (cooking) 446 Sales price (AC) 447 Gas material cost	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	800 330	330	1999 800 800 330 315	2000 800 800 330 315	2001 800 800 330 315	2002 800 800 330 315	2003 800 800 330 315	2004 800 800 330 315	2005 800 800 330 315	2006 800 800 330 315	2007 800 800 330 315	2008 800 800 330 315	2009 800 800 330 315	2010 800 330 315	2011 800 800 330 315	2012 800 800 330 315	2013 800 800 330 315	2014 800 330 315	2015 800 800 330 315	2016 800 330 315	2017 800 800 330 315	2018 800 800 330 315	2019 800 800 330 315	2020 800 800 330 315	19 Sid 2021			

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Base Case

Appendices O -- 7

## Master Plan Economic and Financial Analyses (High Case)

(Gas Domend) 1 Residential 2 Commercial 3 4 5 Industrial 6 Total	Cooking BoilertAir Con. Totel	(1000m3) (1000m3) (1000m3) (1000m3) (1000m3) (1000m3)	1995 2,490 3,331 4,138 7,469 750,734 760,693	1996 2,274 4,564 5,670 10,234 817,599 890,107	1997 2,766 4,706 8,506 13,212 960,411 1 976,389 1	1998 5,034 5,512 10,899 16,411 1,051,411 1,073,361	1999 9,232 6,319 15,076 21,395 1,178,411 1,210,364	2000 17,042 7,125 21,038 28,163 1,354,411 1,430,697 1	2001 25,395 8,321 31,606 39,927 1,586,411 1,652,739	2002 33,445 9,907 45,296 55,203 ,786,931 ,876,923	2003 41,625 11,882 62,109 73,991 1,944,631 2,061,911	2004 49,936 14,247 82,046 96,293 2,113,131 2,261,326 2	216 570 2	2 392 161 2	588 562 2	209,286	241.975 3201.433 3	276,688 3.657,151 4	37,622 276,284 313,906 1,019,118 4	353,830 1,702,764	396,681 5,438,153 (	2014 141,270 51,578 391,117 442,695 5,465,396 1,054,172	2015 151,143 56,951 435,175 492,126 7,638,707 3,287,077	2016 161,196 62,733 482,515 545,248 8,379,341 9,091,166 1	2017 171,397 68,957 533,398 602,355 9,949,479 1 0,728,896 1	2018 181,752 75,657 588,106 663,763 1,845,094 1 2,696,559 1	2019 192,263 82,872 646,941 729,813 3,896,751 1 4,825,061 1	202,932 90,643 710,229 800,871 6,156,633	asid 2021	· · ·	
(Number of Customers) 7 Residential 8 Commercial 9 10 11 Industrial 12 Total	Cooking BoilertAir Con. Total	(1000) (1000) (1000) (1000) (1000) (1000)	1995 9.06 0.18 0.01 0.19 0.19 9.43	1996 9.67 0.16 0.01 0.17 0.21 10.05	1997 11.14 0.16 0.01 0.16 0.22 11.51	1958 17.14 0.18 0.01 0.20 0.24 17.57	1999 28.06 0.21 0.02 0.23 0.26 28.56	2000 48.02 0.24 0.04 0.27 0.31 48.61	2001 69.14 0.28 0.06 0.35 0.36 69.84	2002 89.13 0.35 0.10 0.45 0.40 89.98	2003 109.13 0.44 0.14 0.58 0.44 110.15	2004 129.13 0.55 0.20 0.74 0.47 130.35	2005 149.14 0.68 0.26 0.94 0.50 150.57	2006 169.13 0.81 0.33 1.14 0.54 170.81	2007 189.13 0.96 0.40 1.35 0.58 191.08	2008 209.13 1.12 0.48 1.60 0.64 211.37	2009 229.13 1.28 0.57 1.85 0.72 231.70	2010 249.14 1.46 0.66 2.12 0.82 252.07	2011 263.13 1.66 0.75 2.41 0.90 272.44	2012 289.13 1.87 0.85 2.72 1.05 292.91	2013 309.14 2.09 0.97 3.06 1.23 313.42	2014 329.14 2.33 1.08 3.42 1.45 334.00	2015 349.14 2.59 1.21 3.81 1.71 354.65	2016 369.13 2.88 1.35 4.23 1.88 375.24	2017 389.14 3.18 1.50 4.68 2.23 396.04	2018 409.14 3.51 1.66 5.17 2.65 416.96	2019 429.14 3.86 1.83 5.70 3.11 437.94	2020 419.14 4.25 2.02 6.27 3.62 459.02	əsid 2021		a second and a second
(Sales Volume per Custome 13 Residential 14 Commercial 15 16 17 Industrial 18 Totel	or) Cooking BodortAir Con. Total	(1000m3) (1000m3) (1000m3) (1000m3) (1000m3) (1000m3)	1995 0.27 18.40 827.60 40.16 4,035.20 80.68	1996 0.24 28.00 1134.00 60.92 4,159.24 88.58	1997 0.25 29.98 1701.14 81.56 4,467.03 84.81	1998 0.29 30.02 905.00 83.87 4,467.03 61.10	1999 0.33 30.05 671.17 91.93 4.467.03 42.38	2000 0.35 30.08 580.23 103.11 4.467.03 29.43	2001 0.37 29.32 507.29 115.37 4,467.03 23.67	2002 0.38 28.23 463.10 123.02 4,467.03 20.86	2003 0.38 27.10 434.91 127.30 4,467.03 18.72	2004 0.39 26.08 415.82 129.48 4.467.03 17.35	2005 0.39 25.18 400.80 130.25 4,467.03 15.93	2006 0.40 24.52 390.93 130.63 4,467.03 15.29	2007 0.40 24.00 383.84 130.77 4,467.03 14.89	2008 0.41 23.59 378.44 130.77 4,467.03 14.88	2009 0.41 23.24 374.12 130.68 4,467.03 15.28	2010 0.41 22.95 370.56 130.52 4.467.03 16.03	2011 0.42 22.70 367.53 130.31 4,467.03 16.33	2012 0.42 22.48 364.90 130.08 4,467.03 17.69	2013 0.43 22.29 362.58 129.83 4,467.03 19.21	2014 0.43 22.12 360.51 129.55 4,467.03 21.12	2015 0.43 21.96 358.64 129.27 4,467.03 23.37	2016 0.44 21.82 356.94 128.98 4.467.03 24.23	2017 0.44 21.68 355.37 128.68 4.467.03 27.09	2018 0.44 21.56 353.93 128.38 4,467.03 30.45	2019 0.45 21.45 352.58 128.08 4,467.03 33.85	2020 0.45 21.35 351.33 127.78 4.457.03 37.40	əsid 2021		· · · · · · · · · · · · · · · · · · ·
(Investment Plan) 19 Pipeline installation 20 (Km) 21 22 23 24 Cumulative pipiline 25 (Km) 25 27 28 29 Cumulative meter 30 (Unite) 31 32 33 Cumulative offteker 34 Cumurative governor 35	Residential distr Commercial dist Industrial distrib Industrial transm resid & Commercial dist Commercial dist Industrial transm resid & Commercial Commercial coo Commercial air o Industrial Madium A Medium B	nbution ution ission ensmission ibution inbution ution vission ensmission king	1995	1996	1997 60.00 10 1.52 36.13 10 60.00 1.52 36.13 10.00 6,000 27 7 7 20 4 0 6	1998 10927 10 2.12 36.13 10 16927 20.00 3.64 7225 20.00 16.927 53 17 49 9 9 1 16	1999 199.62 10 3.44 36.13 30.00 7.08 30.00 7.08 30.00 35,889 80 31,95 19 33 36	2000 211.12 10 3.37 36.13 10 580.01 40.00 10.45 144.50 40.00 58.001 127 57 140 28 5 58	2001 199.99 10 3.35 0.00 10 780.00 50.00 13.79 144.50 50.00 78.0000 78.0000 78.0000 78.0000 78.0000 78.0000000000	2002 200.00 10 2.63 0.00 50.00 16.42 144.50 60.00 98,000 281 138 220 46 9 9 97	2003 200.00 10 2.81 0.00 10 1,179.99 70.00 19.24 144.50 70.00 117,999 389 192 258 54 11 117	2004 200.01 10 1.73 0.00 10 1.380.00 20.96 144.50 80.00 138,000 518 257 281 60 13 138	2005 199.99 10 2.94 0.00 10 1.579.99 90.00 23.90 144.50 90.00 157,999 656 326 325 321 69 15	2006 200.01 10 3.27 0.00 10 1.780.00 27.17 144.50 100.00 178,000 803 400 364 79 17 177	2007 199.99 10 4.31 0.00 10 1,979.99 110.00 31.49 144.50 110.00 197,999 960 418 422 92 19 197	2008 200.00 10 5.91 0.00 2.179.99 120.00 37.40 144.50 120.00 217,999 1,128 562 502 502 109 21 217	2009 200 01 10 7.61 0 00 130.00 130.00 144.50 130.00 238,000 1,307 651 664 130 233 238	2010 199 99 10 6.04 0.00 10 2.579.99 140.00 51.04 144.50 140.00 257,999 1,500 741 655 148 25 257	150.00 62.45 144.50 150.00	2012 200.01 10 13.11 0.00 2.980.01 160.00 75.56 144.50 160.00 298.001 1.933 961 1.943 961 1.014 215 29 293	2013 200.00 10 1631 32.63 10 3.180.01 170.00 91.87 177.13 170.00 318,001 2.175 1,060 1,232 259 31 318	2014 199,99 10 19,58 32,63 10 3,360,00 180,00 111,45 209,75 180,00 2,437 1208 338,000 2,437 1,208 338,000 2,437 1,208 338,000 2,437 1,208 338 338	2015 200.00 10 12 36 32.63 10 3,580.00 190.00 123.81 242.38 190.00 358,000 2,719 1,347 1,661 346 35 357	2016 200.01 10 2620 32.63 100 3,180.00 200.00 150.01 275.00 300.3 3023 1,495 200.00 318,000 3,023 1,495 2,012 416 37 378	2017 200.00 10 31.63 0.00 10 3.980.00 210.00 181.64 275.00 210.00 398,000 3.352 1.657 2.437 500 398 398	2018 200.00 10 3424 0.00 10 4,180.00 220.00 215.88 275.00 220.00 418,000 3,706 1,830 2,896 591 41 418	2019 200.00 10 37.71 0.00 10 4,380.00 230.00 230.00 230.00 438.009 4,089 2,017 3,402 691 43 438	2020 r 0.00 0 4.380.00 230.00 230.00 230.00 438.000 4.089 2.017 3.402 691	əsid 2021		
(Imported fecilities in Dollar 36 Residentia HR4meter 37 Commercial cooking r 38 commercial AC valve 39 Commercial AC valve 40 Industrial valve 41 Industrial mater 42 A govarnor 43 B governor 44 Offisker 45 Turbo chiller (deduct 46 Absorption chiller 47 Total (Case 1 to 4) 48 Separate utility mete 49 Total (Case 5) 50 Exchange rate	netertfiR r ed)	(1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$) (1000\$)		1995	1997 322 39 2 34 37 98 0 150 960 7,124 7,638 2,154 5 2,159 2,350	1998 586 39 3 50 51 137 51 1,250 1,200 1,200 1,200 1,200 1,201 3,125 10 3,135 2,350	1999 1,070 39 4 66 83 222 101 500 2,400 13,955 14,858 5,490 10 5,500 2,350	2000 1.132 68 8 126 82 218 101 550 2.160 26.344 28.339 6.339 14 6.354 2.350	2001 1,072 97 11 171 81 216 101 475 2,400 35,915 38,499 7,209 10 7,218 2,350	2002 1.072 127 14 217 64 170 101 500 1.920 45,515 48,790 7,459 14 7,474 2,350	2003 1.072 156 17 263 68 182 101 500 1.920 55,128 59,094 8,245 10 8,254 2,350	2004 1,072 186 20 313 42 101 525 1,440 65,675 70,400 8,536 14 8,550 2,350	2005 1,072 1,979 21 333 71 190 101 475 2,160 69,924 74,954 9,654 10 9,663 2,350	2006 1,072 213 355 79 211 101 500 2,400 74,467 79,824 10,311 14 10,326 2,350	2007 1,072 24 378 105 279 101 500 3,120 79,323 85,029 11,513 10 11,522 2,350	2008 1,072 243 26 403 143 382 101 500 4,080 84,514 90,594 13,030 14 13,045 2,359	2009 1,072 259 27 429 184 492 101 525 5,040 90,061 95,539 14,609 10 14,619 2,350	2010 1,072 279 29 431 147 391 101 475 4,320 96,836 103,802 14,242 14 14,256 2,350		2012 1,072 325 34 534 318 647 101 525 8,640 112,111 120,176 20,462 14 20,477 2,350	2013 1.072 351 37 575 395 1.054 101 500 10,569 129,380 23,329 10 23,338 2,350	2014 1.072 378 39 619 475 1.266 101 500 12,720 129,980 139,380 139,380 26,522 14 26,536 2,350	2015 1,072 408 43 667 300 759 101 475 8,160 140,012 150,084 22,097 10 22,107 2,350	2016 1,072 440 45 719 636 1,694 101 525 16,800 150,850 150,850 150,850 151,702 32,885 14 32,900 2,350	2017 1,072 475 49 775 2,045 101 500 20,160 162,555 174,249 37,639 10 37,649 2,350	2018 1.072 513 53 835 830 2.214 101 500 21,840 175,193 187,797 40,562 14 40,576 2,350	2019 1.072 554 57 900 915 2.438 101 500 24,000 188,835 202,420 44,122 10 44,132 2,350	2020 m 2,350	əsid 2021		
(Investment cost in case 1 51 Residential distributio 52 Distributio 53 Residentia HR+meter 54 Totel 55 Commercial distribution 58 59 Industrial distribution 58 59 Industrial transmissio 60 61 Resid+Comm transmi 62 63 Commercial cooking a 64 Commercial cooking 65 Coomercial AC SP 66 Conversial AC value	on line+SP ion ission SP moter+HR	(1000Ro/m) (mit Rp) (mit Rp) (mit Rp) (1000Rp/m) (1000Rp/m) (1000Rp/m) (1000Rp/m) (1000Rp/m) (mit Rp) (mit Rp) (mit Rp) (mit Rp) (mit Rp) (mit Rp)		1996	1997 77 3,843 756 4,599 197 2,000 165 250 711 25,671 25,671 228 2,276 10 91 9 5	1998 77 6,999 1,377 8,376 197 2,004 165 349 711 25,671 228 2,276 10 91 13 8	197 2,007 165 567 711 25,671 228 2,276	2000 77 13,523 2,660 16,183 197 2,039 165 556 711 25,671 25,671 25,671 228 2,276 17 159 33 19	24	2002 77 12,811 2,520 15,331 197 2,098 165 434 0 0 228 2,216 32 2,93 57 32	2003 77 12,810 2,520 15,330 197 2,127 165 463 0 0 228 2,276 39 367 69 39	2004 77 12,811 2,520 15,331 197 2,158 165 284 0 0 228 2,276 45 438 62 47	2005 77 12,810 2,520 15,330 197 2,171 165 485 0 0 0 228 2,276 50 468 87 50	2006 17 12,811 2,520 15,331 197 2,184 165 538 0 0 228 2,276 53 500 93 53	2007 17 12,810 2,520 15,330 197 2,199 165 711 0 0 228 2,276 57 534 93 57	2008 71 2,811 2,520 15,331 197 2,215 165 974 0 0 0 228 2,276 60 570 105 60	2009 77 12,811 2,520 15,331 197 2,231 165 1,253 0 0 0 0 2,28 2,276 65 609 112 64	2010 77 12,810 2,520 15,330 197 2,251 165 935 0 0 0 0 228 2,276 70 657 121 69	2011 77 12.811 2.520 15.331 197 2.273 165 1.880 0 0 228 2.276 708 130 74	2012 77 12,811 2,520 15,331 197 2,297 165 2,160 0 0 0 0 228 2,276 81 764 140 80	2013 77 12,810 2,520 15,330 197 2,323 165 2,688 1,209 39,457 228 2,276 87 824 87 824 150 86	2014 77 12,810 2,520 15,330 197 2,351 165 3,227 1,209 39,457 228 2,276 94 849 162 93	2015 12,810 2,520 15,330 197 2,381 165 2,037 1,209 39,457 228 2,275 102 959 174 100	2016 77 12,811 2,520 15,331 197 2,413 165 4,318 1,209 39,457 228 2,276 110 1,035 188 106	2017 77 12,811 2,520 15,331 197 2,449 165 5,213 0 0 228 2,276 118 1,117 202 116	2018 17 12,810 2,520 15,330 197 2,486 165 5,642 0 0 228 2,276 128 1,206 218 125	2019 77 12,810 2,520 15,330 197 2,527 165 6,215 0 0 228 2,276 138 1,301 235 135	2220 1	sid 2021		

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Appendices O - 8

. 1	67 Commercial AC mater 68 Industrial SP 69 Industrial SP 70 Industrial mater 71 A governor 72 B governor 73 Offekar 74 Other Investment 75 Total investment 76 Cumulative investment 71 Depriciation 78 Cumulative depriciation 79 Nat property	(mi Rp) (mi Rp)			80 38 67 231 0 352 2,256 200 38,155 38,155 38,155 4,769 4,769 33,386	118 53 121 322 119 587 2,820 200 43,137 81,292 9,565 14,335 66,957	156 86 196 522 238 1,175 5,640 600 54,563 135,855 15,190 29,525 106,330	295 84 192 512 238 1,292 5,076 200 54,843 190,658 20,147 49,671 141,026	21,244 70,916	22,064 92,980	617 70 427 238 1,175 4,512 200 28,110 275,541 22,820 115,800 159,741	735 43 98 262 238 1,233 3,384 0 26,657 302,199 23,300 139,100 163,099	24,014 163,114	834 82 186 496 238 1.175 5.60 0 29.680 350.835 24.723 187.837 173.058	888 108 245 656 238 1,175 7,332 0 31,904 392,799 25,620 213,457 179,342	946 148 337 698 238 1,175 9,588 0 34,922 427,721 26,783 240,240 187,491	28,191 268,431	1,084 151 344 918 238 1,116 10,152 0 35,772 501,538 29,138 297,569 203,969	31,181 328,750	1,255 327 747 1,992 238 1,233 20,304 49,225 596,243 33,437 362,187 234,056	1,352 407 930 2,478 2,378 1,175 24,816 0 94,616 690,859 41,084 403,271 287,588	1,456 459 1,116 2,975 238 1,175 29,892 -200 101,018 791,876 48,576 451,847 340,030	1,568 303 704 1,878 238 1,116 0 87,804 87,804 87,830 53,479 505,326 374,355	61,045 566,371	1,820 789 1,803 4,807 238 1,175 47,376 0 84,830 0,078,515 64,018 630,389 448,127	1,962 854 1,952 238 1,175 51,324 90,118 1,168,634 67,281 697,669 470,964	2,115 941 2,150 238 1,175 56,400 -200 96,706 1,265,3401,265,340 1,265,340 1,265,3401,265,340 1,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,3401,265,340 1,265,3401,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,340 1,265,3401,265,3401,265,360 1,265,3601,265,3601,265,360 1	62,089 830,717		
	otal investment for PGN in case 3 and 4) 80 PGN investment for residential customers 81 Total investment for PGN 82 Cumulative investment 83 Depriciation 84 Cumulative depriciation 85 Net property	(mi Rp) (mi Rp) (mi Rp) (mi Rp) (mi Rp) (mi Rp)	1935	1996	1997 1,356 34,912 34,912 4,364 4,364 30,548	1998 2,469 37,231 72,143 8,472 12,836 59,306	1999 4,511 43,773 115,916 12,885 25,721 90,194	16,703 42,424	16,880 59,304	2002 4,520 16,996 194,459 16,894 76,199 118,261	2003 4,520 17,300 211,759 16,945 93,144 118,616	2004 4,520 15,847 227,606 16,808 109,952 117,654	16,983 126,934	2006 4,520 18,369 264,681 17,218 144,152 120,528	2007 4,520 21,094 285,775 17,703 161,855 123,920	2008 4,520 24,111 309,885 18,504 180,359 129,527	19,595 199,954	2010 4,520 24,962 352,082 20,266 220,220 141,862	2011 4,520 34,669 396,751 22,066 242,287 154,464	24,110 266,396	2013 4,520 83,605 518,970 31,572 297,968 221,002	2014 4,520 90,207 609,178 38,901 336,869 272,308	2015 4,520 76,994 686,171 43,663 380,532 305,639	51,104 431,636	2017 4,520 74,020 863,385 53,969 485,605 311,780	2018 4,520 79,308 942,693 57,136 542,741 399,952		0	esid 2021	
	Total investment for PGN in case 5) 86 PGN investment for residential customers 87 PGN investment for commercial distributi 88 PGN investment for AC SP+metertvalve 90 Separate utility meter 91 PGN investment for B governor 92 Total investment for PGN 93 Cumulative investment 94 Depriciation 95 Cumulative depriciation 95 Net property	(mil Rp) (mil Rp)	1995	1996	1997 0 0 0 11 0 30,820 30,820 3,853 3,853 26,968	1998 0 0 0 23 0 31,954 62,775 7,365 11,218 51,557	1999 0 0 23 0 35,419 98,194 10,872 22,090 78,104	2000 0 0 34 34 0 34,840 133,033 13,868 35,858 97,075	2001 0 0 23 0 9.711 142,744 13,348 49,306 93,438	2002 0 0 34 0 8,309 151,054 12,718 62,024 89,029	2003 0 0 23 0 8,170 159,224 12,150 74,174 85,049	2004 0 0 34 0 6.620 165,844 11,459 85,633 80,211	2005 0 0 23 0 8,985 174,829 11,150 96,783 78,047	2006 0 0 34 0 9,491 184,320 10,942 107,725 76,595	2007 0 0 23 0 11,589 195,909 11,023 118,748 77,161	2008 0 0 34 0 14,494 210,403 11,457 130,205 80,198	0 0 23 0 17,413 227,816 12,201	2010 0 0 34 0 15,108 242,924 12,565 154,971 87,953	2011 0 0 23 0 24,569 267,494 14,065 169,036 98,457	2012 0 0 34 0 28.078 295.571 15.817 15.817 15.4.853 110,718	2013 0 0 23 0 73,311 368,883 23,004 207,857 161,026	2014 0 0 34 0 79,503 448,386 30,066 237,923 210,463	2015 0 0 23 0 66,097 514,483 34,570 272,493 241,990		2017 0 0 23 0 62,525 668,939 44,338 358,571 310,368	2018 0 0 34 67,523 735,462 47,236 405,808 330,654	50,578 456,386	-200 810235 44231 500,617 309,618	esid 2021	
	Fotal investment for separate utility in case 5 97 Residential distribution 98 Commercial distribution 99 Commercial cooking mater 100 Commercial AC mater 101 B governor 102 Other investment 103 Total investment 104 Cumulative investment 105 Depricietion 105 Cumulative depriciation 107 Net property	) (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp)	1995 4,599 2,000 91 80 352 200 7,322 7,322 915 915 6,407	1996 8.376 2.004 91 118 587 0 11.175 18.497 2.198 3.113 15.384	1997 15,302 2,007 91 156 1,175 200 18,930 37,428 4,289 7,402 30,025	1998 16,143 2,039 159 295 1,292 200 20,168 57,596 6,274 13,677 43,919	1999 15,330 2,068 228 402 1,116 0 19,144 76,740 7,883 21,560 55,181	2000 15,331 2,098 510 1,175 200 19,610 96,350 9,349 30,908 65,442	2001 15,330 2,127 367 617 1,175 0 19,616 115,966 10,632 41,541 74,426	2002 15.331 2,158 438 735 1,233 0 19,896 135,862 11,790 53,331 82,532	2003 15,330 2,171 468 783 1,116 0 19,867 155,730 12,800 68,131 89,599	2004 15,331 2,184 500 834 1,175 0 20,024 175,754 13,703 79,834 95,920	14,531 94,364	2006 15,331 2,215 570 946 1,175 0 20,237 216,316 15,244 109,608 106,708	2007 15.331 2.231 609 1.233 0 20,413 236,729 15,890 125,498 111,231	2008 15,330 2,251 657 1,084 1,116 0 20,438 257,168 16,459 141,957 115,211	16,958 158,915	2010 15,331 2,297 764 1,255 1,233 0 20,881 298,502 17,448 176,364 122,139	2011 15,330 2,323 824 1,352 1,175 0 21,003 319,506 17,893 194,256 125,249	2012 15,330 2,351 889 1,456 1,175 0 21,200 340,705 18,306 212,562 128,143	2013 15,330 2,381 959 1,568 1,116 0 21,354 362,059 18,667 231,250 130,810	2014 15.331 2.413 1.035 1.689 1.233 0 21,702 383,761 19,064 250,314 133,448	2015 15,331 2,449 1,117 1,820 1,175 0 21,891 405,652 19,417 269,731 135,921	2016 15,330 2,486 1,206 1,962 1,175 0 22,159 427,811 19,760 289,491 138,320	2017 15,330 2,527 1,301 2,115 1,175 0 22,448 450,259 20,096 309,587 140,672	2018 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2019	2020 ге	esid 2021	
		(persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (1000Rp/y)	1995	1996	1997 16 37 21 9 28 10 121 16 106 76,262 14,744	1998 35 76 36 4 5 17 75 27 27 27 27 27 35 239 76262 14,744	1999 62 127 62 9 14 152 555 505 62 443 16262 14,744	2000 82 154 61 19 29 30 223 81 678 82 596 76,262 14,744	2001 92 163 54 28 42 30 280 101 790 92 693 76,262 14,744	2002 99 163 50 35 52 31 328 119 871 99 778 76262 14,744	2003 102 157 47 41 62 31 369 134 942 102 840 76282 14,744	2004 103 148 44 46 69 31 402 146 939 103 886 76262 14,744	2005 102 137 41 50 76 31 430 156 1.022 102 920 76,262 14,744	2006 100 125 38 53 81 31 452 164 1,043 100 943 76,262 14,744	2007 96 112 36 56 85 31 469 170 1,055 96 959 76,262 14,744	2008 92 100 34 59 88 30 431 175 1,059 92 967 76,262 14,744	2009 87 89 31 61 91 30 490 178 1,057 87 970 76,262 14,744	2010 82 78 29 62 92 30 496 180 1,050 82 \$58 76,262 14,744	2011 77 68 27 63 94 30 499 182 1,039 77 962 76,262 14,744	2012 72 59 26 64 94 30 499 182 1,025 72 953 76,262 14,744	2013 67 51 24 65 94 31 1,011 67 944 76,262 14,744	2014 62 45 22 66 94 32 492 180 994 62 931 76,262 14,744	2015 57 38 21 66 93 33 407 178 974 57 917 76262 14,744	2016 53 33 20 66 92 34 479 175 953 53 900 76262 14,744	2017 48 28 18 66 91 34 471 173 930 48 882 76262 14,744	2018 44 17 67 89 34 462 169 907 44 862 76262 14,744	2019 41 16 67 88 33 451 166 832 41 842 76262 14,744	2020 re 35 17 67 86 31 421 155 811 35 716 76,262 14,744	esid 2021	
	Cumuletive workers for PGN in case 5) 121 Administrative staff 122 Administrative workers 123 Sales 124 Mater reading 125 Collocting 126 Nigh-medium pressure 127 Low pressure 128 Mater administration 129 Total 130 Total white collar 131 Total blue collar 132 Selary per a white collar 133 Sarely por a blue collar	(persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons)	1995	1996	1997 11 25 0 9 28 0 72 11 62 76262 14,744	1938 21 47 0 0 0 0 17 75 0 17 15 10 10 21 138 76282 14,744	1999 37 75 0 0 24 152 0 288 37 251 76262 14,744	2000 49 92 0 0 30 223 0 394 49 345 76,262 14,744	2001 56 98 0 0 30 280 0 464 455 409 76262 14,744	2002 60 99 0 0 0 0 31 328 60 518 60 458 75262 14,744	2003 62 95 0 0 0 31 369 0 558 62 496 76,262 14,744	2004 63 90 0 0 31 402 0 587 63 524 76262 14,744	2005 62 83 0 0 1 31 430 607 62 545 76262 14,744	2006 61 76 0 1 31 452 0 6 20 61 560 76,262 14,744	2007 59 69 0 1 31 469 0 628 59 569 76,262 14,744	2008 56 61 0 1 30 431 56 531 56 515 76,262 14,744	2009 54 54 0 1 30 450 0 630 54 577 76,262 14,744	2010 51 48 0 0 1 30 496 576 576 576 576 576 262 14,744	2011 48 42 0 0 1 30 499 1 1 620 43 572 76262 14,744	2012 45 37 0 1 30 499 1 612 45 567 76262 14,744	2013 42 32 0 0 1 31 497 1 604 42 562 76,262 14,744	2014 39 28 0 1 32 492 492 1 594 39 555 76,262 14,744	2015 36 24 0 1 33 481 553 36 545 546 76262 14,744	2016 33 21 0 0 1 34 479 1 571 33 537 76262 214,744	2012 31 18 0 0 2 34 471 1 557 31 526 76262 14,744	2018 28 15 0 2 34 462 1 542 28 514 76,262 14,744	2019 26 13 0 2 33 451 1 527 26 501 76,262 14,344	2020 re 23 11 0 2 31 421 1 489 23 456 76,262 14,744	o sid 2021	

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(Cumulative workers for separate utility in cas	ie 5)	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 res	9 2021
134 Administrative staff 135 Administrative workers 136 Sales 137 Mater reading 138 Collecting 139 High-medium pressure 140 Low pressure 141 Mater administration	(persons) (persons) (persons) (persons) (persons) (persons) (persons) (persons)	4 9 21 0 0 0 0	11 23 36 3 5 0 0 9	21 42 61 8 13 0 0 25	28 53 60 17 28 0 0 51	33 58 53 25 41 0 0 75	36 59 50 32 52 0 0 94	38 58 47 37 61 0 0 110	38 54 43 42 69 0 0 124	38 50 41 46 75 0 0 135	38 47 38 49 80 0 0 145 397	36 41 35 52 84 0 0 152 400	35 38 33 54 88 0 0 158 406	33 33 31 55 90 0 0 162 404	31 29 29 56 92 0 0 165 402	29 25 27 51 93 0 0 167 398	27 22 25 58 93 0 0 168 393	25 19 23 58 93 0 0 169 387	23 16 22 57 93 0 0 168 379	21 14 20 57 92 0 0 167 371	20 12 19 56 91 0 0 165 363	18 10 18 56 90 0 0 162 354	16 8 16 55 88 0 0 160 343	15 7 54 87 0 0 156 334	13 6 85 0 153 310			
142 Total 143 Total white collar 144 Total blue collar 145 Salary per a white collar 146 Saraly per a blue collar	(persons) (persons) (persons) (1000Rp) (1000Rp)	34 4 30 50,842 9,829	87 11 76 50,842 9,829	170 21 149 50,842 9,829	237 28 209 50,842 9,829	285 33 252 50,842 9,829	323 36 287 50,842 9,829	351 38 313 50,842 9,829	370 38 332 50,842 9,829	385 38 347 50,842 9,829	397 38 359 50,842 9,829	400 36 364 50,842 9,829	35 371 50,842 9,829	33 371 50,842 9,829	402 31 371 50,842 9,829	336 29 369 50,842 9,829	27 366 50.842 9,829	25 362 50,842 9,829	23 356 50,842 9,829	21 350 50,842 9,829	20 343 50,842 9,829	18 336 50,842 9,829	16 327 50,842 9,829	15 319 50,842 9,829	13 297 50,842 9,829		· ·	
(Social banefit & loss analyses in case 1 to 4) 147 Social benefit for residential customers. 148 Social benefit for commercial cooking 149 Social benefit for commercial AC 150 Social benefit for industrial customers 151 Social benefit for commercial cooking 153 Social benefit for commercial cooking 153 Social benefit for commercial total 155 Social benefit for commercial total 155 Social benefit for industrial customers 157 Social benefit for industrial customers 158 Total social benefit from gas sales 157 Social benefit from gas supplied 158 Total social benefit 160 Incremental gross social benefit 161 Total Investment 162 LPG bottle repurchese (residential) 163 In house pipeline installation (residential) 164 LPG bottle repurchese (cooking) 165 In house pipeline installation (cooking) 165 In house pipeline installation (AC) 167 Turbo chiller 169 FO tank installation 170 In house pipeline (industrial) 171 Imported facilities (included) 172 Imported tax 173 Net social loss for facilities 174 Lebor cost (incremental Staffs 175 Workers 176 Pensions 177 Total 178 Income tax (included) 179 Administrative expenses 180 Maintenance & other Expenses 180 Maintenance & other Expenses 180 Maintenance & other Expenses 181 Yabe tax (included)	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (mi Rp) (mi Rp)		1996		338,026 167	1999 800 800 528 308 7,886 5,055 1,960 13,015 362,551 383,351 167 202,131 181,220 38,002 54,563 3,992 7,985 5 5 94 184 32,793 35,152 3,228 922 11,457 0 58,881 4,765 6,527 1,129 12,421 1,367 3,226 2,717 5,56	2000 800 528 308 13,634 5,700 11,108 16,808 426,399 456,840 167 238,926 217,914 74,695 54,843 4,222 8,445 9 166 347 61,909 66,353 3,165 904 13,369 0 61,760 6,217 8,788 15,506 1,811 4,552 3,811 4,552 3,811 4,797		174	2003 800 528 303 33,300 9,506 32,794 42,299 538,946 674,545 178 367,020 307,526 164,307 28,110 24,000 8,000 22 25,113 8,000 22,255 123,851 138,670 2,551 138,670 2,551 138,670 2,551 138,670 2,551 138,670 2,551 138,670 2,551 138,670 2,555 138,670 1,556 138,670 2,556 138,670 2,556 138,670 1,556 1,557 1,556 1,557 1,556 1,557 1,556 1,557 1	2004 800 528 308 39,949 11,393 43,320 54,718 650,844 745,511 182 411,581 333,950 190,731 190,731 190,731 190,731 190,731 190,731 126,857 4,000 266 664 154,337 165,440 1,621 463 18,612 0 41,896 7,872 2,3030 2,487 6,909 6,044 1,178	2005 800 800 528 308 46,704 13,605 55,495 69,097 682,704 798,504 186 446,271 352,233 209,015 29,016 4,000 287 4,000 287 920 164,321 176,143 2,765 789 21,239 0 44,244 7,793 13,560 2,135 23,459 2,525 7,047 6,624 1,243	2006 800 528 308 53,523 15,942 68,398 84,341 736,970 496,241 378,693 235,475 29,680 4,000 8,000 29 800 174,997 187,568 817 22,784 0,45547 7,605 13,009 2,151 23,665 2,532 7,099 7,218 1,302	797,277 958,454 1 193 549,222 409,233	2003 800 528 308 57,837 21,076 96,593 117,669 876,915 1062,421 197 619,430 442,991 299,772 4,000 8,000 34,922 4,000 8,000 34,922 4,000 8,000 34,922 4,000 8,000 34,922 1,112 198,607 212,835 5,552 1,586 29,173 0 5,593 1,112 1,228 5,552 1,586 29,173 0 5,593 1,112 1,228 5,552 1,586 29,173 0 5,593 1,112 1,228 5,552 1,586 29,173 0 5,915 7,012 1,228 1,586 29,173 0 5,915 7,012 1,228 1,586 29,173 0 5,593 1,112 1,228 1,586 29,173 0 5,593 1,112 1,228 1,586 29,173 0 5,593 1,112 1,228 1,586 29,173 0 5,593 1,112 1,228 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,586 29,173 0 5,593 1,128 1,595 2,1399 2,478 7,020 8,554 1,416 1	985,041 1 1,197,061 1 210		503,868 1 222	448,451 1 744,241 2 747,176,493 1 567,749 424,530 49,225 4,000 45 794 1,715 263,460 282,413 12,307 3,516 45,516 0	222,118 (590,351 1,390,828 1,390,828 1,390,828 1,390,828 1,390,828 1,390,828 1,390,828 1,390,828 1,390,828 1,390,828 1,390,828 1,5314 1,5314 1,5315 0 0 110,418 5,101 13,913 1,901 20,916 2,156 6,215 13,817 1,827 1,927 1,927 1,927 1,927 1,927 1,	9,991,342 2,352,130 2,352,130 2,352,130 2,352,130 2,355 544,127 101,018 4,000 8,000 52 924 1,018 6,000 52 924 1,710 305,452 327,426 18,386 5,253 60,819 0 116,440 4,732 13,733 1,848 20,311 2,083 6,093 1,5838	2,748,973 242 2,005,473 743,501 600,282 87,804 4,000 56 997 1,842 329,027 329,027 329,027 329,027 3352,697 11,606 3,316 50,481 0 103,967 4,371 13,513 1,768 19,673 2,007 5,902 17,594 2,135	304,954 2,580,837 3,014,748 3,247 2,245,516 2,245,516 4,000 8,000 61 1,076 1,984 3,54,497 3,79,99 2,4605 7,030 7,5,833 0 1,28,932 4,027 1,270 1,230 1,231 5,708	3,533,357 252 2,703,682 534,675 691,456 84,830 4,000 8,000 66 1,161 2,138 382,004 409,456 29,705 8,487 87,005 0 98,327 3,697 12,998 1,670 18,365 1,854 5,509 21,570 2,462	371,046 3,642,289 4,164,736 2257 3,263,016 901,721 758,502 90,118 4,000 8,000 711 1,253 2,304 411,704 441,322 3,2150 9,186 93,813 0 0 104,259 3,383 12,711 1,610 0 104,259 3,383 12,711 1,610 1,778 1,779 5,312 23,373 2,608	262 9,884,166 957,726 814,503 96,706 4,000 71 1,353 2,484 443,763 443,763 443,763 445,873 35,413 10,118 102,239 0 111,035 3,097 12,410 1,551 17,059 1,706 5,118 25,307 2,766	800 800 528 308 162,346 72,514 375,001 447,515 976,243 586,104 267 1583,577 002,526 859,308 2,11 002,526 859,308 2,11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 38,626 3,844 11,588 62,952 6,776
182 Net social benefit 183 EIRR 184 NSB as of 104 185 NSB as of 154	(mil Rp) (mil Rp) (mil Rp)		· · · ·	-43,937 40.2% 1,353,508 622,282	-39,132	-37,791	-9.728	49,451	71,703	92,816	116,517	131,378	155.779	183,341	213,778	220,964	254,626	275,629	327,955	336,152	389,522	451,291	456,728	552,001	612,237	660,401	818,085 2,0	QQ 037
(Social banafit & loss analyses in case 5) 186 Incremental gross social banafit 187 Total Investment 188 Imported facilities (included) 189 Imported tax 190 Net social loss for facilities 191 Labor cost (incremental Staffs 192 Workers 193 Pensions 194 Total 195 Income tax (included) 195 Administrative expenses 197 Maintenence & other Exposes 198 Value tax (included) 199 Net social benafit 200 EIRR 201 NSB as of 10% 202 NSB as of 15%	(mil Rp) (mit Rp)	1995	1996	1997 0 38,166 4,627 0 39,723 1,005 1,208 1,208 1,208 1,208 1,208 1,208 1,218 1,318 4,201 1,378,804 642,015	1998 15,556 43,160 6,553 0 45,910 2,185 2,788 366 5,350 608 1,605 1,625 2,94 -38,055	1999 38,002 54,386 11,457 0 58,881 3,877 5,163 651 9,690 1,038 2,907 2,712 511 -34,403	2000 74,695 55,077 13,369 0 61,760 5,139 7,146 881 13,165 1,485 3,950 3,813 706 -6,035	2001 113,049 28,950 15,4950 15,4912 8,566 1,026 1,5444 1,737 4,633 4,380 820 53,667	2002 139,169 28,040 16,040 0 38,626 6,349 9,575 1,131 17,094 1,916 5,128 4,948 916 75,970	2003 164,307 27,933 17,928 0 40,629 6,663 10,387 1,204 18,254 2,038 5,504 998 97,658	2004 190,731 26,691 0 41,895 6,715 10,900 1,251 18,956 2,106 5,687 6,034 1,066 121,295	2005 209,015 29,039 21,239 0 44,244 6,679 11,445 1,278 19,403 2,146 5,821 6,611 1,130 136,189	2006 235,475 29,714 22,714 22,714 0 45,547 6,575 11,779 12,89 19,644 2,164 2,164 2,164 5,893 7,201 1,190 160,509	2007 266,014 32,127 0 47,587 11,970 1,288 19,579 2,145 5,814 7,840 1,247 187,904	2008 299,732 34,953 29,173 0 50,915 6,082 12,120 1,278 19,480 2,124 5,844 8,534 1,307 218,397	2009 310,292 38,067 32,884 0 53,952 5,773 12,150 1,260 19,180 2,081 5,754 9,291 1,368 225,542	2010 344,143 35,806 32,021 0 54,009 5,442 12,132 1,235 18,609 2,030 5,643 10,002 1,422 259,097	2011 372,863 45,302 41,913 0 61,504 5,110 12,066 1,207 18,383 1,973 5,515 10,902 1,492 280,202	2012 424,530 49,253 46,638 0 65,611 4,715 11,959 1,176 17,910 1,912 5,313 1,881 1,569 327,201	94,638 53,375 0 110,478 4,453 11,844 1,147 17,444 1,852 5,233 13,768 1,727	2014 544,127 101,052 60,879 0 116,440 4,135 11,686 1,115 16,936 1,789 5,081 15,782 1,897 353,540	2015 600,262 87,627 50,481 0 109,967 3,820 11,497 1,081 16,397 1,723 4,919 17,531 2,041 455,209	114,039 75,833 0 128,932 3,568 11,294 1,047 15,909 15,909 4,773 19,804 2,234	2017 691,456 84,853 87,005 87,005 98,327 3,269 11,057 1,011 15,336 15,96 15,96 4,601 21,492 2,372 555,645	2018 758,502 90,152 93,813 0 104,259 2,981 10,790 974 14,745 1,526 4,424 4,424 23,285 2,519 615,800	96,929 102,239 0 110,95 2,756 10,526 933 14,220 1,465 4,266 25,214 2,680	859,308 2,0 -200 0 0 2,415 9,790 863 13,063 1,341 3,920	0 0 31,115 3,194 9,334 60,024 6,305
(Price of ges in case 1) 203 Gas Salos Price Residential 204 Commercial (Cooking) 205 Commercial (Boilor+AC) 206 Industrial 207 Gas Purchase Price	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1997 370 330 330 315 162	1998 310 330 330 315 169	1999 370 330 330 315 177	2000 370 330 330 315 185	2001 370 330 330 315 195	2002 370 330 330 315 204	2003 370 330 330 315 209	2004 370 330 330 315 213	2005 370 330 330 315 216	2006 370 330 330 315 219	2007 370 330 330 315 223	2008 370 330 330 315 226	2009 370 330 330 315 230	2010 970 330 330 315 234	2011 370 330 330 315 232	2012 370 330 330 315 237	2013 370 330 330 315 241	2014 370 330 330 315 246	2015 370 330 330 315 252	2016 370 330 330 315 257	2017 370 330 330 315 262	2018 370 330 330 315 267	2019 370 330 330 315 272	2020 resi 370 330 330 315 277	id 2021

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Appendices O - 10

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(Price of gas in case 2) 208 Gas Sales Price Residential 209 Commercial (Cocking) 210 Commercial (BoilertAC) 211 Industrial 212 Gas Purchase Price	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1997 370 330 330 315 162	1998 413 330 330 315 169	1999 456 330 330 315 177	2000 499 330 330 315 186	2001 542 330 330 315 196	2002 585 330 330 315 204	2003 628 330 330 315 209	2004 671 330 330 315 213	2005 714 330 330 315 216	2006 757 330 330 315 219	2007 800 330 330 315 223	2008 800 330 330 315 226	2009 800 330 330 315 230	2010 800 330 330 315 234	2011 800 330 330 315 232	2012 800 330 330 315 237	2013 800 330 330 315 241	2014 800 330 339 315 246	2015 800 330 330 315 252	2016 800 330 330 315 257	2017 800 330 330 315 262	2018 800 330 330 315 267	2019 800 330 330 315 272	2020 resid 20 800 330 330 315 277	21
(Price of gas in case 3) 213 Gas Sales Price Residential 214 Commercial (Cooking) 215 Commercial (Boilert AC) 216 Industrial 217 Gas Purchase Price	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1997 370 330 330 315 162	1 998 370 330 330 315 169	1999 970 930 930 930 915 177	2000 370 330 330 315 186	2001 370 330 330 315 196	2002 370 330 330 315 204	2003 370 330 330 315 209	2004 370 330 330 315 213	2005 370 330 330 315 216	2006 370 330 330 315 219	2007 370 330 330 315 223	2008 370 330 330 315 226	2009 370 330 330 315 230	2010 370 330 330 315 234	2011 370 330 330 315 232	2012 370 330 330 315 237	2013 370 330 330 315 241	2014 370 330 330 315 246	2015 370 330 330 315 252	2016 370 330 330 315 257	2017 370 330 330 315 262	2018 370 330 330 315 267	2019 370 330 330 315 272	2020 rosid 20 370 330 330 315 277	21
 (Price of gas in case 4) 218 Gas Sales Price Residential 219 Commercial (Cooking) 220 Commercial (Boilert AC) 221 Industrial 222 Gas Purchase Price	(Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1997 370 330 330 315 162	1998 413 330 330 315 169	1999 456 330 330 315 177	2000 499 330 330 915 186	2001 542 330 330 315 196	2002 585 330 330 315 204	2003 628 330 330 315 209	2004 671 339 330 315 213	2005 714 330 330 315 216	2006 757 330 330 315 219	2007 800 330 330 315 223	2008 800 330 330 315 226	2009 800 330 330 315 230	2010 800 330 330 315 234	2011 800 330 330 315 232	2012 800 330 330 315 237	2013 800 330 330 315 241	2014 800 330 330 315 245	2015 800 330 330 315 252	2016 800 330 330 315 257	2017 800 330 330 315 262	2018 800 330 330 315 267	2019 800 330 330 315 272	2020 resid 20 800 330 330 315 277	)21
(Price of gas of PGN for seperate utility in case 223 Gas Sales Price Residential 224 Commercial (Cooking) 225 Commercial (BoilertAC) 226 Industrial 227 Gas Purchase Price	e 5) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3) (Rp/m3)	1995	1996	1997 315 315 315 315 315 162	1998 315 315 315 315 315 169	1999 315 315 315 315 315 177	2000 315 315 315 315 315 186	2001 315 315 315 315 315 196	2002 315 315 315 315 315 204	2003 315 315 315 315 315 209	2004 315 315 315 315 315 213	2005 315 315 315 315 315 216	2006 315 315 315 315 315 219	2007 315 315 315 315 315 223	2008 315 315 315 315 226	2009 315 315 315 315 315 230	2010 315 315 315 315 234	2011 315 315 315 315 232	2012 315 315 315 315 237	2013 315 315 315 315 315 241	2014 315 315 315 315 246	2015 315 315 315 315 315 252	2016 315 315 315 315 315 257	2017 315 315 315 315 315 262	2018 315 315 315 315 267	2019 315 315 315 315 315 272	2020 resid 20 315 315 315 315 315 277	21
Cese 1:PGN oparates, when Gas Sales Pric (Financial Feesibility Analysis) 228 Sales Residential 229 Commercial Cooking 230 Commercial Boilert AG 231 Commercial Boilert AG 232 Industrial 233 Total 234 Gas material cost 235 Gross profit 236 Gross profit (incremental MMRp) 237 Property Tax 238 Lebor cost (incremental MMRp) 237 Property Tax 238 Lebor cost (incremental Staffs 239 Workers 240 Pensions 241 Total 242 Administrative expenses 243 Maintenance & other expenses 244 Total investment 245 Before tax cash flow (financial) 246 IRR of before tax cash flow 247 NPV as of 10% (financial) 248 NPV as of 15% (financial)	(mil Rp) (mil Rp)	1995	or semains 1995	1997 1,023 1,553 2,807 4,360 302,529	1998 1,863 1,819 3,597 5,416 331,194 338,473 181,500 156,973 7,610 156,973 7,610 156,973 7,610 167 2,649 3,530 618 6,797 2,039 1,626 43,137 -46,056	1999 3,416 2,055 4,975 7,060 371,199 381,676 2(3,923 167,753 18,390 106 4,765 6,527 1,}29 12,421 3,726 2,717 54,563 -55,144	2000 6,306 2,351 6,943 9,294 436,089 451,689 266,067 185,622 36,259 141 6,217 8,788 1,501 16,506 4,952 3,814 54,843 -43,996	323,798	2002 12,375 3,269 14,948 18,217 562,883 593,475 382,086 211,389 62,026 154 7,540 11,474 1,901 20,916 6,275 4,949 27,806 1,927	2003 15,401 3,921 20,496 24,417 612,559 652,377 430,183 222,194 72,832 160 7,803 12,383 2,019 22,205 6,661 5,511 28,110 10,184		517,906	2006 24,801 6,576 42,749 49,325 353,720 827,846 573,153 254,693 105,330 173 7,605 13,909 2,151 23,665 7,099 7,218 29,650 37,496	2007 28,059 7,603 51,300 58,902 815,397 902,358 633,970 268,388 119,025 1799 7,336 14,134 2,147 23,617 7,085 7,856 31,904 48,384	2008 31,375 8,694 60,311 69,064 896,845 997,284 136,314 136,314 187 7,012 24,260 2,127 23,399 7,020 8,554 34,922 62,231		281,498	2011 41,627 12,415 91,174 103,589 1,266,022 1,411,238 1,050,952 360,285 210,923 218 5,873 14,187 2,066 6,620 10,940 45,480 125,599	1,643,256	1,908,342	2,234,959	2,624,519 2,088,343	179,932 2,639,492 2,879,067 2,336,430 2,336,430 2,336,430 3,332,74 4,027 13,270 1,730 19,027 5,708 19,874 114,005	3,134,086 3,396,280 2,810,911 585,309 435,946 448 3,697 12,998 1,670 18,365 18,365 21,570 84,830	219,042 3,731,205 4,017,495	1,689,452 ± 1,032,417 4 657,035	428,712	82 43 73 72
(Down Side sensitivity Analyses) 249 2% contingency seles VeGross profit 250 10% contingency total investment 251 Before tax cash flow 252 IRR of before tax cash flow 253 NPV as of 10% 254 NPV as of 15%	(mil Rp) (mil Rp) (mil Rp) (mil Rp) (mil Rp)	1955	1996	1997 0 41,970 -46,705 17.9% 400,115 80,235	1998 6,999 47,451 -50,991	1999 16,915 60,019 -62,076	2000 33,384 60,327 -52,356	2001 44,843 31,820 -16,274	2002 56,315 30,587 ~6,565	2003 65,942 30,922 434	2004 76,336 29,373 10,868	2005 83,803 31,918 14,557	2006 94,932 32,647 24,129	2007 107,137 35,095 33,304	2008 122,526 38,414 44,952	2009 142,716 41,849 61,389	2010 167,989 39,349 89,033	2011 188,856 50,028 98,984	54,148		111,119	96,585	2016 341,851 125,405 171,411	93 313	2018 403,959 99,130 257,965	2019 420.042 106.377 265.685	2020 resid 20 421,687 2,355,7 0 375,759 2,101,6	91
(Financial Analyses with In house Installation) 255 LPG bottle repurchase 256 In house pipeline installation 257 Before tax cash flow 258 IRR of before tax cash flow 259 NPV as of 104 (financial) 260 NPV as of 154 (financial)	(mil Rp) (mil Rp) (mil Rp) (mil Rp)	1995	1996	1997 1,200 2,400 -44,089 20,3% 552,290 153,814	1998 2,185 4,311 -48,241	1999 3,992 7,985 -59,137	2000 4,222 8,445 -48,218	2001 4,000 7,939 -13,093	2002 4,000 8,000 -2,073	2003 4,000 8,000 6,184	2004 4,000 8,000 17,693	2005 4,000 8,000 22,503	2006 4.000 8.000 33.496	2007 4,000 8,000 44,384	2008 4,000 8,000 58,231	2009 4,000 8,000 77,496	2010 4,000 8,000 108,082	2011 4,000 8,000 121,599	2012 4,000 8,000 172,252	2013 4,000 8,000 168,032	2014 4,000 8,000 202,670	2015 4,000 8,000 251,468	2016 4,000 8,000 230,234	2017 4,000 8,000 301,224	2018 4,000 8,000 337,168	2019 4,000 8,000 358,987	2020 resid 20 0 418,175 2,357,6	
(Down Side Sensitivity Analysis) 261 Before tex cash flow 262 IRR of before tex cash flow 263 NPV as of ICA 264 NPV as of ISA	(mil Ro) (mil Ro) (mil Ro)	1995 0	1995 0	1997 - 47,905 17.15 377,556 61,311	1958 ~53,166	1999 - 66,068	2000 -56,578	2001 -20,274	2002 -10,565	2003 -3,516	2004 6,867	2005 10,557	2006 20,129	2007 29,304	2008 40,952	2009 57,389	2010 85,033	2011 94 <u>.</u> 984	2012 140,622	2013 126,562	2014 154,027	2015 196,354	2016 167,410	2017 230,973	2018 253,965	2019 261,686	2020 resid 20 375,759 2,199,9	

Appendices O-11 Case 2 PGN operates when Gas Sales Price of Residential Sector goes up to 800Rp in ten years.

265         Sales         Residential         (mil Rp)         1,023         2,019         4,210         5,014         1,026         1,010         1,023         2,019         1,023         2,010         1,024         1,025         1,044         1,025         1,044         1,025         1,014         1,025         1,14         100         1,14         10 <th< th=""><th></th><th>2014 2015</th><th></th><th>2018 2019</th><th>2020 resid 2021</th></th<>		2014 2015		2018 2019	2020 resid 2021
210 lotal 210 lotal 213 lotal	13,840 15,373 102,923 115,532 116,764 130,905 481,371 1,728,768 24 695,695 1,964,903 24 228,320 1,451,037 1, 467,374 513,867	173         17,021         18,794           132         129,069         143,608           105         146,069         162,402           168         2,036,600         2,406,193           103         2,295,705         2,689,513           137         1,735,326         2,088,343           167         560,379         601,165	194         20,702         22,750           508         159,230         176,021           102         179,932         198,711           193         2,639,492         3,134,081           13         2,948,381         3,469,983           143         2,336,430         2,810,971           169         611,951         659,010	6 24,967 27,348 1 194,075 213,490 7 219,042 240,838 6 3,731,205 4,317,477 0 4,095,648 4,172,125 1 3,389,981 4,032,417 0 705,667 739,709	5,515,973
2/3 Gross profit (incremental MMMp)       (mil Rp)       0       1/62       (s),10       0,10       1/41       149       154       160       163       168       173       179       181       197       204       218         274 Property Tax       (mil Rp)       1,196       2,649       4,765       6,217       7,025       7,540       7,403       7,872       7,193       7,605       1,336       7,012       6,651       6,267       5,873         275 Labor cost (incremental Staffs       (mil Rp)       1,557       3,530       6,527       8,788       10,287       14,474       12,383       13,064       13,560       13,909       14,134       14,260       14,303       14,273       14,187       1         277       Pensions       (mil Rp)       275       618       1,129       1,501       1,731       1,901       2,019       2,042       21,35       2,151       2,147       2,127       2,095       2,054       2,006         218       Total       (mil Rp)       3,029       6,797       12,421       16,506       19,043       20,916       22,205       23,030       23,489       23,617       23,617       23,939       24,056       2       219       Admini	234 288 5,479 5,101 14,057 13,913 1,954 1,901 21,490 20,916 6,447 6,275 11,925 13,817	188         340         374           101         4,732         4,31           113         13,733         13,513           101         1,846         1,784           116         20,311         19,673           175         6,093         5,903           117         15,838         17,594	874         427         448           871         4,027         3,693           871         8,3270         12,933           878         1,730         1,673           873         19,027         18,365           8702         5,708         5,503           894         19,874         21,574	471         497           7         3,388         3,097           8         12,711         12,410           0         1,610         1,551           5         17,708         17,059           9         5,312         5,118           0         23,373         25,307	435 2,673 11,443 1,412 15,527 63,377 4,658 19,013 25,307 103,293
241 Talal invastment (mit Rp) 38,155 43,137 54,583 54,843 28,927 27,806 28,110 26,657 29,016 29,680 31,904 34,922 38,045 35,772 43,450 4			and the second		565,436 2,309,611
285 2% contingency sales Vc Gross profit (mil Rp) 0 7211 17,693 35,538 49,124 63,362 76,467 91,057 103,484 120,353 139,093 158,259 182,293 211,478 235,266 29	290,256 331 364	64 371,260 404,175	75 409,779 446,400		2020 resid 2021 507,202 2,392,463 0
	· · · · · · · · · · · · · · · · · · ·				461,275 2,177,875
292 LPG bottle repurchase         (mil Rp)         1 200         2.185         3.992         4.222         4.000         8.000 <th< td=""><td>4,000 4,000 8,000 8,000</td><td>000 4,000 4,000 000 8,000 8,000</td><td>000 <b>4,000 4,000</b> 000 <b>8,000</b> 8,000</td><td>000,8,000,8,000</td><td>2020 resid 2021 0 5555,436 2,418,251</td></th<>	4,000 4,000 8,000 8,000	000 4,000 4,000 000 8,000 8,000	000 <b>4,000 4,000</b> 000 <b>8,000</b> 8,000	000,8,000,8,000	2020 resid 2021 0 5555,436 2,418,251
295 IRR of before Lax cash flow     23.45       296 NPV as of 10%     (financial)       297 NPV as of 15%     (financial)       (mil Rp)     255,020					
1223 1230 1231 1230 1231 1230 1233 1000 FOOL FOOL FOOL				2018 2019 0 330,555 347,705	2020 resid 2021 461,275 2,274,431
1995       1996       1997       1998       1999       2000       2001       2002       2003       2004       2005       2006       2007       2008       2009       2010       2011       24         298       Before tex cesh flow       (mil Rp)       0       0       -47.905       -52.954       -65.290       -3.518       7.008       21.598       30.238       45.550       61.261       76.685       96.966       128.522       142.394       15         299       IRR of before tex cesh flow       20.3%       20.3%       300 NPV as of 10%       (mil Rp)       510.836       301 NPV as of 15%       (mil Rp)       160.952         Cesse 3.Residential Distribution Pipoline Invested by Government when gas Sales Price remained the same as now.       (financial Feasibility Anelysis)       2001       2001       2001       2001       2010       2011	192,012 181,992	992 213,559 260,048	048 235,338 303,200	0 330,555 342,705	461,275 2,274,431
1995       1996       1997       1998       1999       2000       2001       2002       2003       2004       2005       2008       2009       2010       2011	192,012 181,992 2012 2013 45,122 48,659 13,840 15,373 102,923 115,532 116,764 130,905 481,371 1,728,768 2, (543,256 1,908,342 2, 228,320 1,451,037 1, 414,936 457,305 265,573 307,943	2014 2015 2014 2015 2014 2015 2015 2270 55.921 2015 129.069 143.000 2016 146.089 162.400 768 2.036.600 2.406.193 242 2.234.959 2.624.513 2017 129.639 2.624.513 2018 129.639 2.624.513 2018 129.639 2.645.545 2018 129.655 2018 129.655 201	3048         235,338         303,200           301         2016         2017           3025         59,643         63,411           194         20,702         22,751           306         159,230         176,021           193         2,639,492         3,134,081           319         2,879,067         3,395,281           314         2,354,430         2,810,97           176         542,637         585,300           313         393,274         435,944	2018 2019 7 67,248 11,137 6 24,967 27,348 1 194,075 213,490 7 219,042 240,838 6 3,731,205 4,377,477 0 4,017,495 4,689,452 1 3,389,981 4,032,417 9 627,513 657,035 6 478,151 507,673	461,275 2,274,431 2020 resid 2021 15,065 29,912 234,375 264,288 5,069,339 5,428,112 4,755,247 633,465 524,103 2,156,800
1995       1995       1996       1996       1997       200       2001       2003       2004       2005       2006       2007       2008       2009       2011	192,012 181,992 2012 2013 45,122 48,659 19,840 15,373 102,923 115,532 116,764 130,905 481,371 1,728,768 2, 643,256 1,908,342 2, 228,320 1,451,037 1, 414,936 457,305 265,573 307,943 169 221 5,479 5,101 14,057 13,913 1,954 1,901 21,490 20,916 6,447 6,275 13,947 38,414 83,805	2014         2015           559         52,270         55,927           531         17,021         18,794           532         129,069         143,603           505         54,205         143,604           505         140,089         162,403           505         146,089         162,403           505         146,089         162,403           505         499,633         536,170           504         350,270         386,813           505         499,633         536,170           504         350,270         386,813           501         1,3733         13,513           501         1,846         1,784           501         1,846         1,784           504         13,733         13,513           501         1,846         1,784           504         20,311         19,673           505         5,903         5,900           817         15,838         17,594	3048         235,338         303,200           3012         2016         2017           3025         59,643         63,411           3048         20,702         22,751           3058         159,230         176,021           3021         325,539,492         3,134,081           3193         2,639,492         3,134,081           3193         2,639,492         3,134,081           3193         2,639,492         3,134,081           3193         2,639,492         3,134,081           3193         2,639,492         3,134,081           3193         2,639,492         3,134,081           3193         2,639,492         3,134,081           3193         2,639,492         3,134,081           313         393,274         435,941           306         3,53         371           311         4,027         3,69           303         13,270         12,99           188         1,730         1,67           502         5,703         5,50           594         19,874         21,57           3934         103,194         74,024	2018         2019           7         67,248         11,137           6         24,967         27,348           1         194,075         213,490           7         219,042         240,838           6         3,731,205         4,377,477           0         4,017,495         4,689,452           1         3,389,981         4,032,417           9         627,513         657,035           6         478,151         507,673           8         400         425           7         3,388         3,097           8         1,2711         12,410           0         1,610         1,551           5         17,708         17,059           9         5,312         5,118           0         23,373         25,307           0         79,306         8,586	461,275 2,274,431 2020 resid 2021 15,065 29,912 234,375 264,288 5,089,339 5,428,112 4,755,247 613,465
1995         1996         1997         1998         1998         1998         1998         1998         1998         1998         1998         1998         1998         1998         1998         1998         1998         1998 <th< td=""><td>192,012         181,992           2012         2013           45,122         48,659           13,840         15,373           102,923         115,532           116,764         130,905           481,371         1,728,768           (643,256         1908,342           (228,320         1,451,037           141,936         457,305           265,573         307,943           169         221           5,479         5,101           14,057         13,913           1,954         1,901           21,490         20,916           6,447         6,275           13,817         38,414           38,414         43,805           187,129         182,909</td><td>2014         2015           559         52,270         55,924           532         129,069         143,604           532         129,069         143,604           545         52,270         55,924           532         129,069         143,604           542         129,069         143,604           542         2,234,959         2,624,514           5037         1,735,326         2,088,343           504         4,99,633         536,171           505         499,633         536,171           504         3,502,270         386,813           521         272         301           101         4,732         4,373           501         1,846         1,784           505         90,207         7,639           505         90,207         7,639           509         217,548         266,344           31         311,729         340,48</td><td>3048         235,338         303,200           305         2016         2017           305         59,643         63,411           304         20,702         22,751           305         59,643         63,411           304         20,702         22,751           308         159,230         176,022           303         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           313         3,93,274         435,944           306         353         371           311         4,027         3,69           302         5,708         5,50           303         103,194         14,024           345         245,115         316,104           345         245,115         316,104           345         2016         2017           481         344,851         374,17</td><td>2018         2019           7         67,248         11,137           6         24,967         27,348           1         194,075         213,490           7         219,042         240,633           6         3,731,205         4,377,477           0         4,017,495         4,689,452           1         3,389,981         4,032,417           9         627,513         657,035           6         478,151         507,673           8         400         425           7         3,386         3,097           8         12,711         12,410           0         1,610         1,551           5         3,17,028         17,059           9         5,312         5,307           0         19,306         85,896           5         352,050         373,869           2018         2019           9         403,959         420,042</td><td>461,275 2,274,431 2020 resid 2021 15,065 29,912 234,375 264,288 5,089,339 5,428,112 4,755,247 633,465 524,103 2,156,800 372 2,673 11,443 1,412 15,527 63,899 4,658 19,170 25,307 104,143 0 478,238 1,969,588 2020 resid 2021</td></th<>	192,012         181,992           2012         2013           45,122         48,659           13,840         15,373           102,923         115,532           116,764         130,905           481,371         1,728,768           (643,256         1908,342           (228,320         1,451,037           141,936         457,305           265,573         307,943           169         221           5,479         5,101           14,057         13,913           1,954         1,901           21,490         20,916           6,447         6,275           13,817         38,414           38,414         43,805           187,129         182,909	2014         2015           559         52,270         55,924           532         129,069         143,604           532         129,069         143,604           545         52,270         55,924           532         129,069         143,604           542         129,069         143,604           542         2,234,959         2,624,514           5037         1,735,326         2,088,343           504         4,99,633         536,171           505         499,633         536,171           504         3,502,270         386,813           521         272         301           101         4,732         4,373           501         1,846         1,784           505         90,207         7,639           505         90,207         7,639           509         217,548         266,344           31         311,729         340,48	3048         235,338         303,200           305         2016         2017           305         59,643         63,411           304         20,702         22,751           305         59,643         63,411           304         20,702         22,751           308         159,230         176,022           303         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           319         2,639,492         3,134,084           313         3,93,274         435,944           306         353         371           311         4,027         3,69           302         5,708         5,50           303         103,194         14,024           345         245,115         316,104           345         245,115         316,104           345         2016         2017           481         344,851         374,17	2018         2019           7         67,248         11,137           6         24,967         27,348           1         194,075         213,490           7         219,042         240,633           6         3,731,205         4,377,477           0         4,017,495         4,689,452           1         3,389,981         4,032,417           9         627,513         657,035           6         478,151         507,673           8         400         425           7         3,386         3,097           8         12,711         12,410           0         1,610         1,551           5         3,17,028         17,059           9         5,312         5,307           0         19,306         85,896           5         352,050         373,869           2018         2019           9         403,959         420,042	461,275 2,274,431 2020 resid 2021 15,065 29,912 234,375 264,288 5,089,339 5,428,112 4,755,247 633,465 524,103 2,156,800 372 2,673 11,443 1,412 15,527 63,899 4,658 19,170 25,307 104,143 0 478,238 1,969,588 2020 resid 2021

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Appendices O – 12