

**EXPLICATION DES RÉSULTATS  
DE L'ÉTUDE DES TAUX D'AMORTISSEMENT ET  
DES MODIFICATIONS LIÉES AUX  
IMMOBILISATIONS**

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**LEXIQUE**

<b>IFRS</b>	Normes internationales d'information financière
<b>PCGR</b>	Principes comptables généralement reconnus
<b>ICCA</b>	Institut Canadien des Comptables Agréés
<b>IAS</b>	International Accounting Standards
<b>ASL</b>	Méthode d'amortissement nommée « Average Service Life »
<b>ELG</b>	Méthode d'amortissement nommée « Equal Life Group »

1    **1    INTRODUCTION**

2    Ce document présente l'étude quinquennale des taux d'amortissement des principales  
3    catégories d'immobilisations corporelles de Gaz Métro en fonction des soldes aux livres au  
4    30 septembre 2009.

5    L'application de la présente étude aurait normalement dû prendre effet dans le dossier tarifaire  
6    2011. Cependant, l'entrée en vigueur des normes IFRS devait être effective dans le dossier  
7    tarifaire 2012. Gaz Métro avait alors demandé à la Régie, le 10 février 2010, le report de  
8    l'application de l'étude des taux d'amortissement au dossier tarifaire 2012 en vue de les intégrer  
9    aux demandes de modifications de conventions comptables soumises pour l'application des  
10    IFRS. La Régie a accepté le report de l'étude dans la décision D-2010-30, rendue le 23 mars  
11    2010.

12    Cependant, il est important de mentionner qu'en octobre 2010, le CNC a amendé ces  
13    exigences afin de permettre le report de la date d'application des normes IFRS pour les entités  
14    admissibles ayant des activités à tarifs réglementés. Cet amendement permet à ces entités de  
15    continuer à appliquer les PCGR du Canada pour une période additionnelle d'un an, sans  
16    toutefois les y obliger. Par conséquent, Gaz Métro présentera ses demandes de modifications  
17    de conventions comptables en vue de la transition vers les normes IFRS dans le cadre d'un  
18    dossier distinct.

19    Tel que mentionné dans sa requête du 10 février 2010, Gaz Métro présente l'étude des taux  
20    d'amortissement pour application au 1<sup>er</sup> octobre 2011.

21    L'étude des taux d'amortissement permet d'assurer une répartition équitable de la dépense  
22    d'amortissement entre les générations de clients et favorise la juste récupération des  
23    investissements. De plus, cet exercice permet l'ajustement de la dépense d'amortissement de  
24    Gaz Métro en fonction de l'évolution de la réalité économique. En effet, la durée de vie  
25    résiduelle des actifs et la projection des retraits peuvent évoluer de façon différente de ce qui  
26    avait été prévu lors de la dernière étude.

27    Gaz Métro utilise la méthode de l'amortissement linéaire, selon un taux spécifique par catégorie  
28    d'actifs. Les taux d'amortissement sont établis en fonction de la durée de vie résiduelle des  
29    actifs. Cette méthode prend en considération la valeur historique des investissements, les coûts

1 des retraits passés, la prévision des retraits futurs, la valeur de l'amortissement accumulé et la  
2 durée de vie résiduelle de l'actif.

3 La nouvelle étude des taux n'engendre pas d'impact significatif sur la dépense d'amortissement  
4 annuelle projetée pour l'année 2012. Cet écart non significatif est composé des deux éléments  
5 suivants :

- 6 1. Effet des changements de durée de vie établie par un expert indépendant qui est  
7 présenté de façon détaillée à la section 4.1 ainsi que dans l'étude présentée à  
8 l'Annexe A (diminution de la dépense d'amortissement de 11,3 M\$); et
- 9 2. Changement de méthodologie par rapport à celle utilisée à l'étude de 2004<sup>1</sup> qui fut  
10 effectuée selon la méthode ASL alors que la présente étude a été réalisée selon la  
11 méthode ELG (augmentation de la dépense d'amortissement de 11,3 M\$).

12 Il est important de noter qu'en 2012, il n'y aura aucun changement quant à l'inclusion de la  
13 provision des coûts d'abandon dans les taux d'amortissement. Des changements seront  
14 intégrés dans le cadre du dossier tarifaire 2013, suite à la décision de la Régie dans le dossier  
15 distinct traitant des changements pour se conformer aux IFRS.

## 16 **2 TRAITEMENT ACTUEL**

### 17 **2.1 Normes canadiennes**

18 Selon le traitement utilisé actuellement par Gaz Métro, le coût des immobilisations corporelles  
19 est ventilé entre les différentes catégories qui est amorti selon les durées d'utilisation prévues  
20 de ces catégories. Ces dernières sont établies selon une étude de taux pour les actifs de  
21 distribution, stockage et de transmission. Pour ce qui est des installations générales, les durées  
22 d'amortissement sont déterminées à l'interne. Voici les extraits pertinents du chapitre 3061 du  
23 *Manuel de l'ICCA* :

24 « .29 Les immobilisations corporelles sont acquises afin de générer des produits ou de fournir un  
25 service pendant leur durée de vie utile. À l'exception des terrains, dont la durée de vie est  
26 habituellement illimitée, les immobilisations corporelles ont une durée de vie limitée. Leur durée  
27 de vie utile correspond normalement à la plus courte des durées physique, technologique,

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<sup>1</sup> Décision D-2005-171

1 commerciale ou juridique. L'amortissement est une charge imputée sur les résultats pour rendre  
2 compte du fait que la durée de vie est limitée et pour répartir le coût de l'immobilisation  
3 corporelle, après défalcation de sa valeur de récupération ou de sa valeur résiduelle, sur les  
4 exercices au cours desquels est consommé son potentiel de service. Dans le cas des  
5 ressources, on parle d'épuisement ou de déplétion.

6 .30 Le coût d'une immobilisation corporelle constituée d'importantes composantes distinctes est  
7 ventilé entre celles-ci lorsqu'il est raisonnablement possible de le faire et que la durée de vie de  
8 chacune des composantes peut faire l'objet d'une estimation. Par exemple, les frais initiaux  
9 engagés pour la location peuvent être isolés à titre de composante distincte du coût d'un  
10 immeuble destiné à la location, et les moteurs peuvent constituer une composante distincte d'un  
11 aéronef. »

12 Les catégories d'immobilisations corporelles sont identifiées en considérant notamment les  
13 caractéristiques des actifs, leur nature, leur durée d'utilisation prévue et les activités auxquelles  
14 elles se rattachent. Un seul taux d'amortissement est déterminé pour chacune des catégories  
15 d'immobilisations corporelles.

## 16 **2.2 Traitement réglementaire**

17 L'ordonnance GC-1 et GC-24 suggère une charte de comptes de grand livre mais ne fournit pas  
18 d'indications quant aux catégories d'actifs à utiliser.

19 La valeur historique, l'amortissement cumulé ainsi que la dépense annuelle d'amortissement  
20 (établie à l'aide des taux approuvés par la Régie) sont présentés annuellement par catégorie  
21 lors de l'élaboration du dossier tarifaire.

## 22 **3 DÉMARCHE**

### 23 **3.1 Analyses – identification de nouvelles catégories**

24 Des ateliers de travail ont été réalisés à l'interne avec les responsables de chaque groupe  
25 d'actifs. Ces rencontres avaient pour objectif de revoir les catégories actuelles des  
26 immobilisations corporelles et d'établir si des modifications à ces catégories étaient nécessaires  
27 pour se conformer aux exigences de la norme IAS 16.

28 Ainsi, des analyses ont été effectuées par catégorie d'actifs afin de voir si celles-ci répondaient  
29 à la définition d'une composante. Les responsables se sont interrogés sur les différents

1 éléments contenus dans une catégorie ainsi que sur leur durée d'utilisation prévue afin de voir  
2 si ceux-ci ne devraient pas être séparés en composantes distinctes.

3 Le 5 octobre 2009, lors d'une rencontre d'information avec le personnel technique de la Régie  
4 et les intervenants portant sur les immobilisations corporelles, des conclusions préliminaires  
5 quant aux composantes éventuelles en vertu des normes IFRS ont été présentées. Afin de  
6 conclure sur la nécessité d'utiliser ces composantes, Gaz Métro a simulé l'effet de ces  
7 composantes sur la dépense annuelle d'amortissement et la valeur comptable nette, basé sur  
8 les immobilisations corporelles détenues au 30 septembre 2009. À la lumière de ces analyses, il  
9 est ressorti que l'utilisation de composantes supplémentaires avait le même effet que d'utiliser  
10 le taux moyen pondéré d'amortissement, tel qu'effectué actuellement. De cette façon,  
11 Gaz Métro a conclu que les catégories d'immobilisations corporelles actuelles rencontrent les  
12 exigences de l'IAS 16 et qu'ainsi, aucune modification à ce niveau n'est requise.

13 Toutefois, dans le cadre de ces analyses, des possibilités d'amélioration des catégories  
14 actuelles ont été identifiées pour certains actifs. Ces modifications sont également valides en  
15 vertu des PCGR canadiens et font parties du processus d'amélioration continue de Gaz Métro.

### 16 **3.2 Taux d'amortissement des actifs de distribution, stockage et de** 17 **transmission**

18 L'exécution de cette analyse statistique et prévisionnelle a été confiée à Larry Kennedy,  
19 consultant spécialisé dans ce domaine, de la firme Gannett Fleming. Son mandat consistait à  
20 revoir les taux d'amortissement des catégories d'actifs de distribution, de stockage ainsi que de  
21 transmission en tenant compte des informations historiques.

22 Pour chacun des groupes d'actifs, une courbe de mortalité a été établie afin de déterminer une  
23 durée de vie moyenne par catégorie d'actifs. Pour ce faire, Gaz Métro a fourni à M. Kennedy les  
24 soldes au 30 septembre 2009 de la valeur historique, de l'amortissement accumulé, des  
25 additions et des retraits de toutes les catégories d'actifs ventilées selon l'année de mise en  
26 service. À partir de ces informations, la durée de vie<sup>2</sup>, la durée de vie résiduelle<sup>3</sup> ainsi que  
27 l'évaluation des coûts de retraits de chaque actif ont été déterminées.

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<sup>2</sup> La durée de vie équivaut à l'espérance de vie d'un groupe d'actifs au moment de son acquisition.

<sup>3</sup> La durée de vie résiduelle représente la durée de vie restante de l'ensemble d'un groupe d'actifs. Cette durée tient compte de l'âge moyen du groupe d'actifs par rapport à sa durée de vie établie au départ.

1 Des simulations ont été effectuées pour permettre la sélection de la courbe de mortalité de la  
2 catégorie d'actifs qui correspond le mieux aux données réelles de chaque groupe d'actifs  
3 étudié. Ces courbes statistiques proviennent de l'Iowa State University.

4 M. Kennedy a rencontré les ingénieurs responsables de la conception et de la gestion des actifs  
5 de distribution, de stockage et de transmission de Gaz Métro. Ces rencontres avaient pour but  
6 de connaître leur opinion sur la durée de vie des actifs du réseau de Gaz Métro. De même, il  
7 voulait connaître les projets d'investissements à venir qui pourraient influencer de façon  
8 significative l'évaluation du niveau futur de la valeur historique, dû aux acquisitions ou  
9 dispositions anticipées d'immobilisations corporelles.

### 10 **3.2.1 Méthodes de détermination des taux d'amortissement**

11 Deux méthodes peuvent être employées pour la détermination des taux d'amortissement.  
12 Avec la méthode ASL, la durée de vie moyenne résiduelle est calculée par catégorie à partir  
13 de la durée résiduelle entre la date d'acquisition et la durée moyenne de vie retenue pour  
14 cette catégorie. Ainsi, les actifs ayant une durée de vie plus longue que la moyenne dans la  
15 catégorie permettent de récupérer la déficience générée (déviations d'amortissement  
16 résultant des pertes sur disposition) par les actifs ayant une durée de vie plus courte que la  
17 moyenne.

18 La méthode ELG prend, quant à elle, en compte le fait que dans une catégorie d'actifs, pour  
19 une année donnée, certains actifs sont retirés avant l'atteinte de la durée de vie projetée et  
20 ce, pour diverses raisons. La durée de vie de la catégorie est donc établie à l'aide de la  
21 somme des durées de vie moyennes qui tient compte de l'historique des retraits par année  
22 d'acquisition. Il en résulte un niveau plus élevé de dépense d'amortissement plus tôt dans la  
23 vie d'un groupe d'actif.

24 L'utilisation de la méthode EGL est plus précise que la méthode ASL puisqu'elle tient  
25 compte du fait que certains actifs sont retirés avant la fin de leur durée de vie utile. Ainsi, la  
26 dépense d'amortissement est plus représentative du coût d'utilisation des actifs.

27 Les études précédentes furent réalisées selon la méthode ASL. Cependant, M. Kennedy  
28 recommande l'utilisation de la méthode ELG qui conduit à établir une charge  
29 d'amortissement qui reflète mieux la durée d'utilisation des actifs.



1    **3.3    Taux d'amortissement des actifs des installations générales**

2    Pour ce qui est des catégories relatives aux installations générales, les taux d'amortissement  
3    ont été analysés à l'interne, tel qu'effectué dans les années précédentes. Compte tenu de la  
4    nature des immobilisations incluses dans les catégories des installations générales, l'estimation  
5    de la durée de vie de ces actifs est plus facilement déterminable et conséquemment,  
6    l'implication d'un expert en étude de taux n'est pas nécessaire. Des ateliers de travail ont été  
7    réalisés avec les responsables à l'interne des actifs étudiés. Ces rencontres avaient pour  
8    objectif, compte tenu de l'approche par composantes dans le cadre du projet de conversion  
9    vers les normes IFRS, de revoir les catégories, de définir les changements et d'évaluer les taux  
10    d'amortissement appropriés. La durée de vie des actifs, la durée d'amortissement, les retraits  
11    prévus et le rythme des investissements futurs ont aussi été validés au cours de ces rencontres.

12    Peu de changements ayant des impacts significatifs ont été effectués sur ces catégories  
13    puisque des modifications importantes avaient déjà été apportées à celles-ci lors de  
14    l'élaboration du dossier tarifaire 2009. En effet, à la demande de la Régie, dans la décision  
15    D-2008-067 émise le 8 mai 2008 dans le cadre du Rapport annuel au 30 septembre 2007, des  
16    modifications aux taux d'amortissement et aux catégories des installations générales avaient  
17    été effectuées.

18    **4            RÉSULTAT**

19    Les résultats de l'étude des taux d'amortissement se divisent en deux parties. D'une part, les  
20    actifs étudiés par Gannett Fleming sont constitués des actifs de distribution, de stockage et de  
21    transmission. Les résultats de l'étude de la firme Gannett Fleming sont présentés à l'annexe A.

22    D'autre part, les résultats de l'étude des installations générales réalisée par Gaz Métro sont  
23    intégrés à l'annexe B.

24    Il faut noter que pour certains actifs, il ne fut pas nécessaire de procéder à une étude. C'est le  
25    cas, entre autres, des actifs non amortissables tels que les terrains, les droits de mutation et les  
26    travaux en cours. Également, certains actifs, tels que les contributions et les subventions, ont  
27    les mêmes taux d'amortissement que les actifs auxquels ils sont reliés, soit les branchements  
28    d'immeubles. Par conséquent, les taux d'amortissement de ces actifs seront ajustés en fonction  
29    des nouveaux taux de ces catégories.

1 Globalement, la dépense d'amortissement de l'année 2012, toutes catégories d'immobilisations  
2 confondues, aurait été de 87,7 M\$ comparativement à une prévision de 87,6 M\$ en fonction des  
3 taux actuels. L'annexe B présente l'analyse détaillée des impacts sur la dépense  
4 d'amortissement par catégorie d'immobilisations.

5 Afin d'être en mesure de comparer les informations présentées dans l'étude précédente avec  
6 les informations incluses dans la présente étude, le tableau suivant résume l'impact sur la  
7 dépense d'amortissement de chacune des étapes réalisées dans le cadre de l'étude des taux  
8 d'amortissement.

Description de l'écart	Augmentation (diminution) de la dépense (en milliers de \$)
Modification des taux d'amortissement - selon méthode ASL	(11 298)
Changement de méthode d'amortissement - ASL vs ELG	11 335
<b>TOTAL</b>	<b>37</b>

9

10 Dans un premier temps, l'impact lié à la modification des durées de vie des actifs, et par  
11 conséquent des taux d'amortissement, a été isolé. Pour ce faire, la dépense d'amortissement  
12 de la Cause tarifaire 2012, établie en utilisant les taux de l'étude de 2004 et selon la méthode  
13 ASL (incluant les coûts d'abandon), a été comparée à la dépense d'amortissement 2012 établie  
14 selon les taux de l'étude de 2010 et selon la méthode ASL (incluant les coûts d'abandon). La  
15 portion attribuable à cet élément entraîne une baisse de la dépense de 11,3 M\$. Celle-ci  
16 s'explique principalement par l'augmentation de la durée de vie moyenne de certaines  
17 catégories au niveau des actifs de distribution, de stockage et de transmission, conformément à  
18 l'évaluation faite par M. Kennedy.

19 Dans un deuxième temps, l'effet du passage de la méthode ASL à la méthode ELG a été établi  
20 en comparant la dépense d'amortissement 2012 selon les taux de l'étude 2010 et la méthode  
21 ASL (incluant les coûts d'abandon) à la dépense d'amortissement 2012 selon les taux de  
22 l'étude 2010 et la méthode ELG (en incluant aussi les coûts d'abandon). L'impact de cet  
23 élément représente une hausse de 11,3 M\$ de la dépense d'amortissement.

**4.1 La modification des taux des actifs de distribution, de stockage et de transmission**

Une baisse significative des taux d'amortissement des branchements d'immeubles et des conduites principales est recommandée par le consultant. À la suite de l'analyse basée sur les retraits passés, les durées de vie proposées pour ces catégories d'immobilisation ont augmenté de façon significative.

Voici un tableau récapitulatif des changements importants :

Voici un tableau récapitulatif des changements importants :

Catégorie	Description catégorie	Taux actuel (1)	Estimation durée vie utile actuelle	Taux proposé (2)	Estimation durée de vie utile proposée	Impact dépense amortissement 2011
Z1100	Distribution branchement acier	3,77 %	33	2,66%	45	(1,6 M\$)
Z1102	Distribution branchement plastique direct	3,63 %	35	3,19 %	50	(2,4 M\$)
Z1103	Distribution branchement plastique inséré	3,87 %	37	2,45 %	50	(1,0 M\$)
Z1150	Distribution conduite acier	3,06 %	42	2,82 %	50	(1,5 M\$)
Z1151	Distribution conduite plastique direct	2,21 %	50	1,98 %	60	(1,7 M\$)
Z1152	Distribution conduite plastique inséré	1,97 %	50	1,75%	60	(0,1M\$)
Z3100	Transmission conduite	4,00 %	25	0,46 %	65	(1,5 M\$)
Z1200	Compteurs	4,82 %	22	9,16 %	18	6,0 M\$
Autres catégories	Autres catégories	divers	divers	divers	divers	(3,8 M\$)
<b>Total</b>						<b>0,0 M\$</b>

(1) : ASL avec coût abandon  
(2) : ELG avec coût abandon

Il est important de mentionner que la révision à la baisse de la durée de vie moyenne des compteurs prend en compte un nouveau facteur relié aux normes de Mesures Canada. Ce facteur a entraîné une augmentation du taux d'amortissement de 4,82 % à 9,16 %. En effet, les changements apportés aux normes de Mesure Canada au niveau de l'inspection auront pour effet de réduire la durée d'utilité prévue des compteurs puisqu'ils seront retirés plus rapidement. L'ajustement de la durée de vie permettra d'éviter des pertes futures sur les dispositions de

1 compteurs. Cette modification a un impact estimé à la hausse de 6,0 M\$ sur la dépense  
2 d'amortissement.

3 Dans la décision D-2011-048, la Régie demande à Gaz Métro de valider la vie utile des actifs  
4 touchés par le projet Senneville dans le cadre de la mise à jour de l'étude d'amortissement.  
5 Suite à la modification des taux d'amortissement à la baisse, la durée de vie utile des actifs du  
6 projet Senneville sera de 50 ans.

## 7 **5 PROPOSITION DE GAZ MÉTRO**

8 Tel que mentionné précédemment, les catégories utilisées actuellement par Gaz Métro  
9 répondent aux critères de l'IAS 16. Cependant, Gaz Métro demande des changements visant à  
10 maintenir une saine gestion de ses immobilisations. Ces changements se composent  
11 majoritairement d'ajouts de catégories relativement aux actifs de stockage et aux installations  
12 générales.

13 Gaz Métro demande un changement de taux pour les catégories de machinerie lourde et de  
14 remorques passant de 10 % (10 ans) à 12,5 % (8 ans) ainsi que l'ajout d'une catégorie pour  
15 l'équipement et l'outillage avec un taux de 8,33 % (12 ans). Actuellement, ces équipements sont  
16 regroupés dans les deux catégories de machineries et d'équipements et d'outillages et sont  
17 amortis respectivement sur 8 ans et 25 ans. Tel que mentionné précédemment, ces  
18 améliorations ont été identifiées à la suite de la revue des catégories dans le cadre des  
19 analyses sur l'approche par composantes et permettraient une répartition équitable de la  
20 dépense d'amortissement entre les générations de clients et favoriserait la juste récupération  
21 des investissements.

22 Globalement, les modifications aux catégories des installations générales ont un impact à la  
23 hausse inférieur à 0,1 M\$ sur la dépense d'amortissement.

## 24 **6 MODALITÉ D'APPLICATION**

25 Pour la cause tarifaire 2012, Gaz Métro demande l'autorisation d'utiliser les nouvelles  
26 catégories et les nouveaux taux d'immobilisations corporelles présentés à l'annexe C.

1 **7 IMPACT TARIFAIRE DES MODIFICATIONS DES IMMOBILISATIONS**  
2 **CORPORELLES**

3 L'impact des modifications des taux d'amortissements et des catégories d'immobilisations  
4 corporelles est une augmentation sur la dépense d'amortissement de 37 163 \$ pour l'année  
5 d'application 2012.

6 **8 CONCLUSION**

7 La mise à jour de la présente étude des taux d'amortissement permettrait de refléter une  
8 dépense annuelle d'amortissement conforme à la réalité économique actuelle et à l'application  
9 des normes comptables en vigueur. Cette étude nous amène à revoir à la hausse la dépense  
10 de Gaz Métro de 37 163 \$, ce qui représente une augmentation de 0,02 % par rapport à la  
11 dépense d'amortissement actuelle. Il est toutefois important de rappeler que cet impact tient  
12 compte de l'inclusion des coûts d'abandon qui sont maintenus dans les taux d'amortissement  
13 en 2012. Tel que mentionné précédemment, une preuve portant sur le traitement des coûts  
14 d'abandon sera déposée dans le cadre des demandes de modification de convention comptable  
15 IFRS.



# **GAZ METRO**

MONTREAL, QUEBEC

## **DEPRECIATION STUDY**

### **CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES APPLICABLE TO PLANT IN SERVICE AS OF SEPTEMBER 30, 2009**



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March 28, 2011

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Chef de service, Immobilization et contrôle des coûts  
Société en Commandite Gaz Métro  
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Attention: Mme. Caroline Plamondon,

Ladies and Gentlemen,

Pursuant to your request, we have conducted a depreciation study related to the gas distribution, transmission and stockage plant assets of Gaz Metro. ("or the company") as of September 30, 2009. Our report presents a description of the methods used in the estimation of depreciation, the statistical analyses of service life and the summary and detailed tabulations of annual and accrued depreciation.

The calculated annual depreciation accrual rates presented in the report are applicable to plant in service as of September 30, 2009. The depreciation rates are based on the straight-line remaining life method using the equal life group procedure. A periodic review of the depreciation rates using the same estimates and methods is recommended.

Respectfully submitted,

**GANNETT FLEMING, INC.**  
**VALUATION AND RATE DIVISION**

A handwritten signature in black ink, appearing to read "L. Kennedy".

**LARRY E. KENNEDY**  
Director, Canadian Services

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Project: 052144:100



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## PART I. INTRODUCTION

## PART I. INTRODUCTION

### SCOPE

This report sets forth the results of the depreciation study conducted for the gas distribution, transmission and stockage assets of Gaz Metro. (or “the company”) as of September 30, 2009 to determine the annual depreciation accrual rates and amounts for ratemaking purposes applicable to the original cost of plant as of September 30, 2009.

The depreciation accrual rates presented herein are based on generally-accepted methods and procedures for calculating depreciation. The estimated survivor curves used in this report are based on studies incorporating data through 2009.

Part I, Introduction, contains statements with respect to the scope of the report and the basis of the study. Part II, Methods Used in the Calculation of Depreciation, presents the methods used in the estimation of average service lives, survivor curves, and net salvage percentages and in the calculation of depreciation. Part III, Results of Study, presents a summary of annual depreciation, the statistical analyses of service lives and net salvage estimates, and the detailed tabulations of annual depreciation.

### BASIS OF THE STUDY

Depreciation. The depreciation accrual rates and accrued depreciation were calculated using the straight line method, the remaining life basis and the equal life group (ELG) procedure. The calculation was based on the attained ages and estimated service life and net salvage characteristics for each depreciable group of assets.

Service Life Estimates. The method of estimating service life consisted of compiling the service life history of the plant accounts and subaccounts, reducing this

history to trends through the use of analytical techniques that have been generally accepted in various regulatory jurisdictions, and forecasting the trend of survivors for each depreciable group on the basis of interpretations of past trends and consideration of the company plans for the future. The combination of the historical trend and the estimated future trend yielded a complete pattern of life characteristics from which the average service life was derived. The service life estimates used in the depreciation calculation incorporated historical data compiled through September 30, 2009. Such data included plant additions, retirements, transfers and other plant activity.

A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirement was obtained through contact with the company representatives. The information gained through these discussions with the company representatives was also used in the developments of the average service life estimates.

Net Salvage Estimates. The estimates of net salvage were based on judgment which incorporated analyses of available historical data, a review of policies and outlook with management, a general knowledge of the gas utility industry, and comparison of the net salvage estimates from studies of other gas utilities. The estimates of net salvage are expressed as the average net percent of the investment to be incurred or recovered upon its retirement.

International Financial Reporting Standards. The Canadian Accounting Standards Board (ACsB) announced that Canadian Generally Accepted Accounting Principles (GAAP) will be converged to comply for reporting purposes with the International Financial Reporting Standards (IFRS) by 2011. However, in late 2010 the

ACsB announced that a one-year exemption to the previous mandated January 1, 2011 implementation date would be made available to rate regulated entities within Canada. In preparation for the implementation of IFRS this depreciation study has developed depreciation rates and parameters that, in the view of Gannett Fleming, are in compliance with the new standard.

## RECOMMENDATIONS

The calculated annual depreciation accrual rates set forth herein apply specifically to plant in service as of September 30, 2009. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate depreciation rates.

The depreciation rates should be reviewed periodically to reflect the changes that result from plant account activity. A depreciation reserve deficiency or surplus will develop if future capital expenditures vary significantly from those anticipated in this study.

The survivor curves used in this study should be the basis for periodic recalculations. Complete depreciation studies, which reevaluate these parameters, should be performed every three to five years.

PART II. METHODS USED IN THE  
ESTIMATION OF DEPRECIATION

## PART II. METHODS USED IN THE CALCULATION OF DEPRECIATION

### DEPRECIATION

Depreciation, in public utility regulation, is the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among causes to be given consideration are wear and tear, deterioration, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing natural gas distribution service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.

The calculation of annual and accrued depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. These subjects are discussed in the sections that follow.

## ESTIMATION OF SURVIVOR CURVES

Survivor Curves. The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages. A discussion of the general concept of survivor curves is presented. Also, the Iowa type survivor curves are reviewed.

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval and is derived by obtaining the differences between the amount of property surviving at the beginning and at the end of each interval.



Iowa Type Curves. The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125.<sup>1</sup> These types of curves have also been presented

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<sup>1</sup> Winfrey, Robley. Statistical Analyses of Industrial Property Retirements. Iowa State College, Engineering Experiment Station, Bulletin 125. 1935.

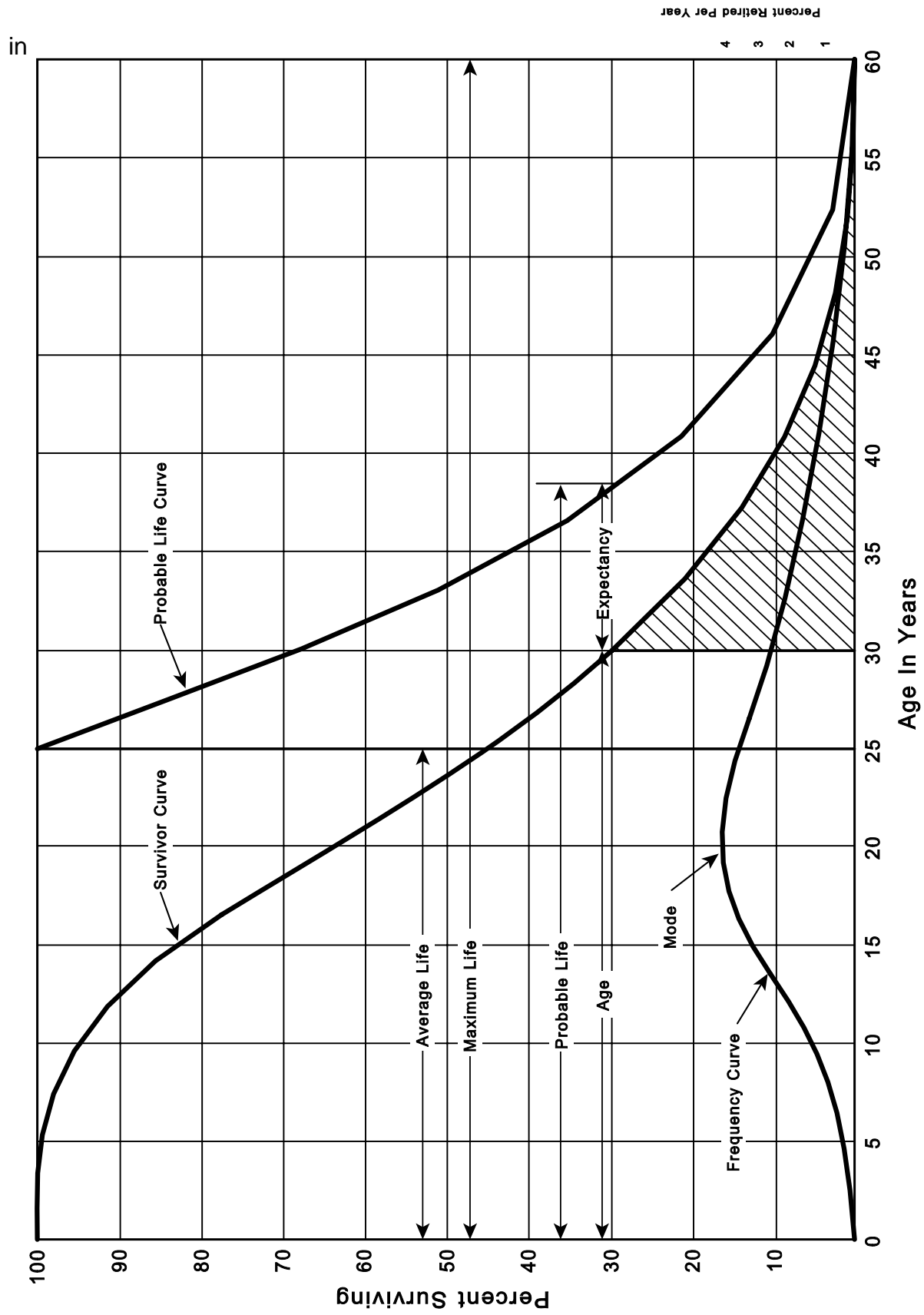


Figure 1. A Typical Survivor Curve and Derived Curves

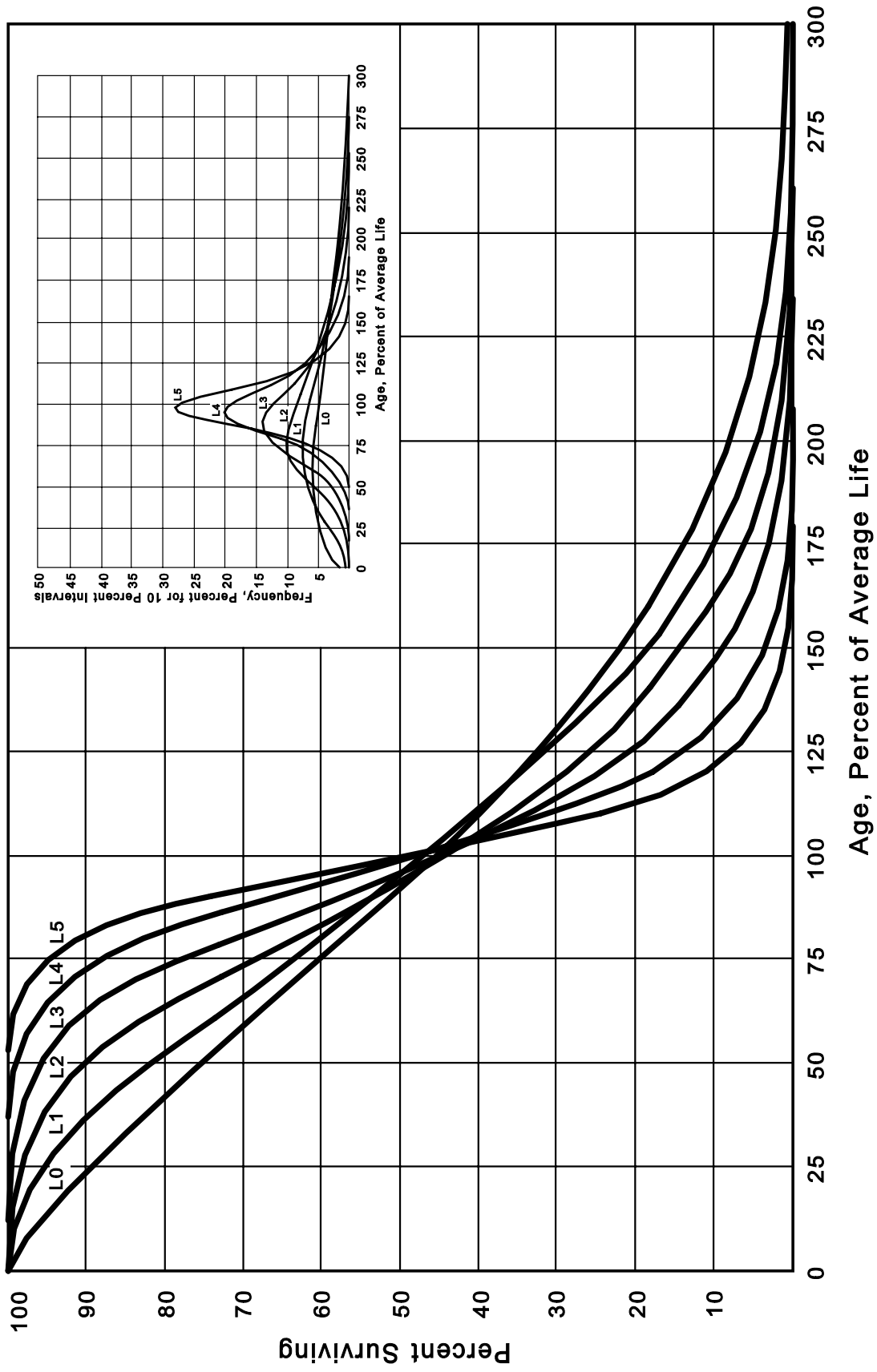


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

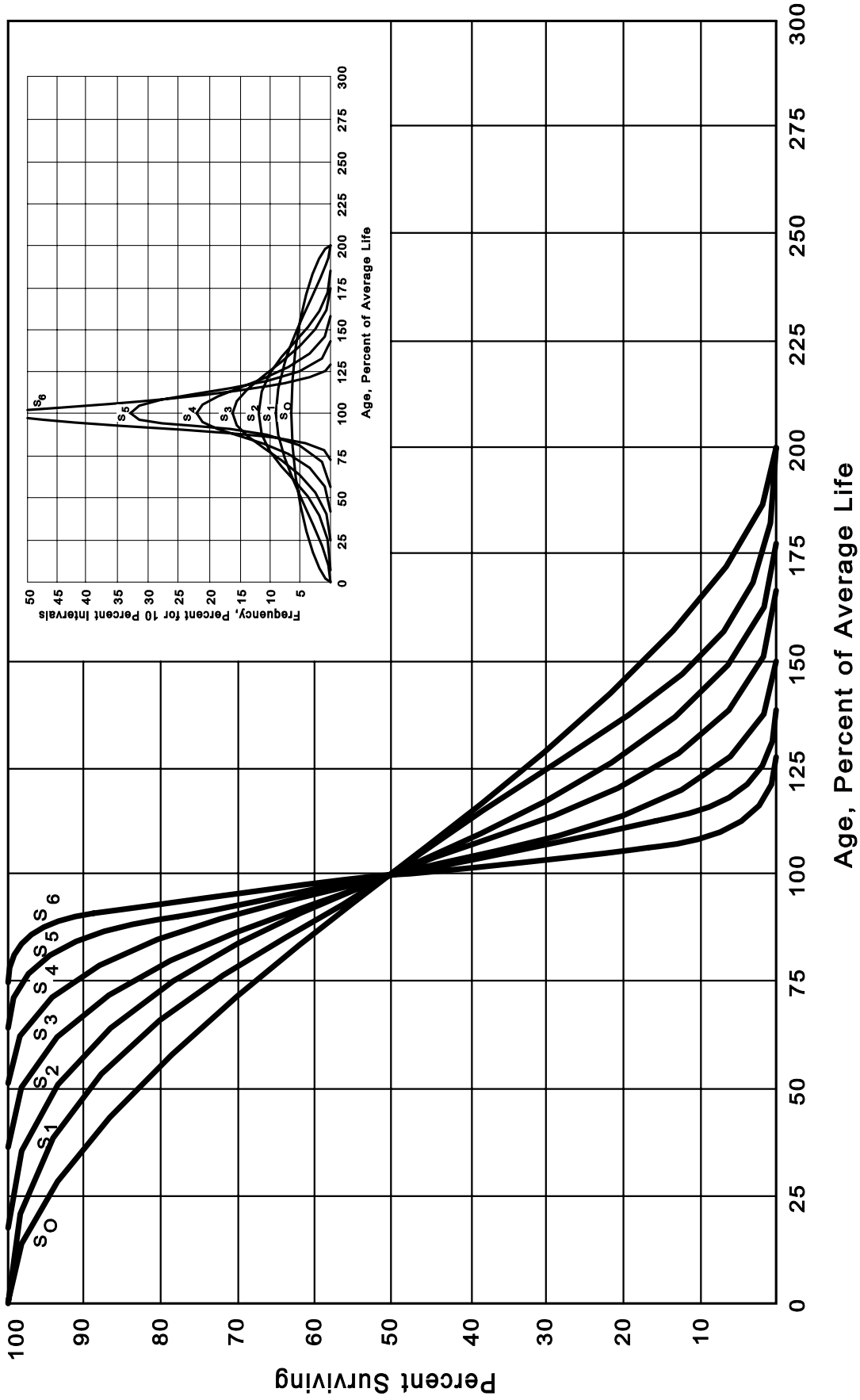


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

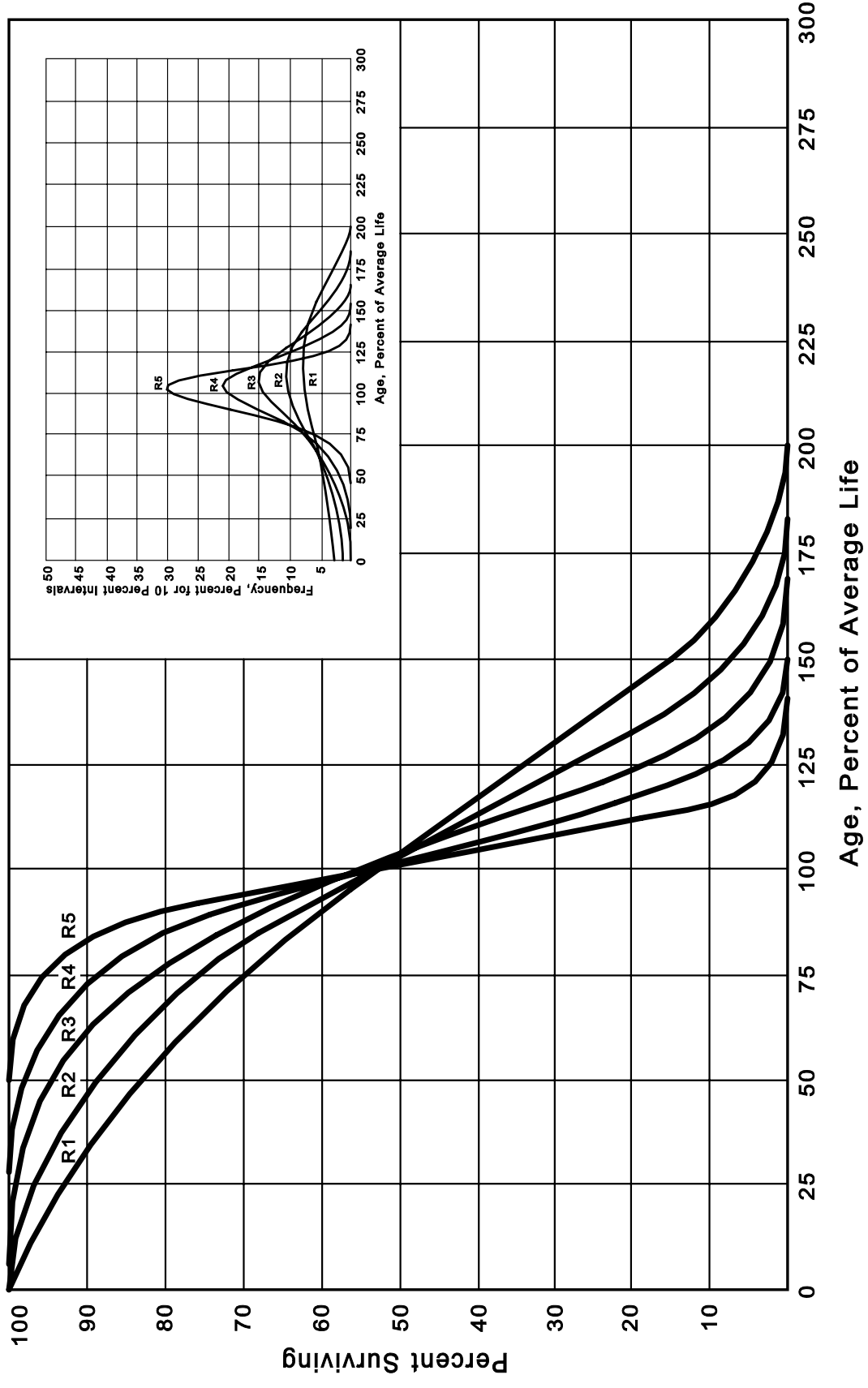


Figure 4. Right Modal or "R" Iowa Type Survivor Curves

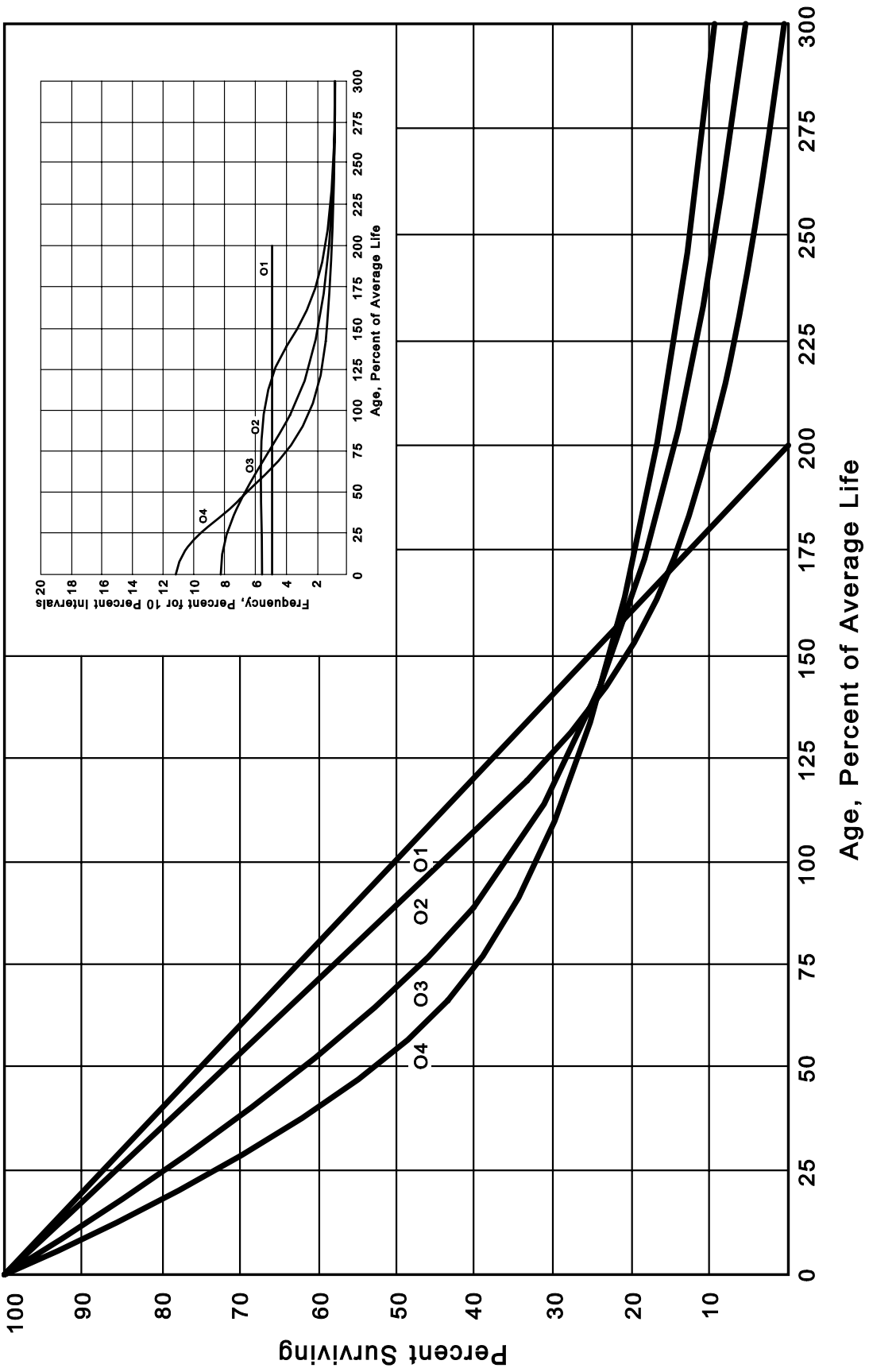


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."<sup>2</sup> In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student, submitted a thesis<sup>3</sup> presenting his development of the fourth family consisting of the four O type survivor curves.

Retirement Rate Method of Analysis. The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available or for which aged accounting experience is developed by statistically aging unaged amounts and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text, and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements,"<sup>4</sup> "Engineering Valuation and Depreciation,"<sup>5</sup> and "Depreciation Systems."<sup>6</sup>

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginnings of the age intervals during the same period. The period of observation is referred to as the experience band, and the band of years which represent the installation dates of the

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<sup>2</sup>Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

<sup>3</sup>Couch, Frank V. B., Jr. "Classification of Type O Retirement Characteristics of Industrial Property." Unpublished M.S. thesis (Engineering Valuation). Library, Iowa State College, Ames, Iowa. 1957.

<sup>4</sup>Winfrey, Robley, Supra Note 1.

<sup>5</sup>Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 2.

<sup>6</sup>Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press. 1994

property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows. The example includes schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

Schedules of Annual Transactions in Plant Records. The property group used to illustrate the retirement rate method is observed for the experience band 2000-2009 during which there were placements during the years 1995-2009. In order to illustrate the summation of the aged data by age interval, the data were compiled in the manner presented in Tables 1 and 2 on the following pages. In Table 1, the year of installation (year placed) and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 1995 was retired in 2000. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on the average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval 4½-5½ is the sum of the retirements entered on Table 1 immediately above the staircase line drawn



TABLE 1. RETIREMENTS FOR EACH YEAR 2000-2009  
SUMMARIZED BY AGE INTERVAL

Experience Band 2000-2009	Retirements, Thousands of Dollars										Placement Band 1995-2009	
	During Year										Total During Age Interval	Age Interval
Year Placed	2000 (2)	2001 (3)	2002 (4)	2003 (5)	2004 (6)	2005 (7)	2006 (8)	2007 (9)	2008 (10)	2009 (11)	(12)	(13)
1995	10	11	12	13	14	16	23	24	25	26	26	13½-14½
1996	11	12	13	15	16	18	20	21	22	19	44	12½-13½
1997	11	12	13	14	16	17	19	21	22	18	64	11½-12½
1998	8	9	10	11	11	13	14	15	16	17	83	10½-11½
1999	9	10	11	12	13	14	16	17	19	20	93	9½-10½
2000	4	9	10	11	12	13	14	15	16	20	105	8½-9½
2001		5	11	12	13	14	15	16	18	20	113	7½-8½
2002			6	12	13	15	16	17	19	19	124	6½-7½
2003				6	13	15	16	17	19	19	131	5½-6½
2004					7	14	16	17	19	20	143	4½-5½
2005						8	18	20	22	23	146	3½-4½
2006							9	20	22	25	150	2½-3½
2007								11	23	25	151	1½-2½
2008									11	24	153	½-1½
2009										13	80	0-½
Total	53	68	86	106	128	157	196	231	273	308	1,606	

TABLE 2. OTHER TRANSACTIONS FOR EACH YEAR 2000-2009  
SUMMARIZED BY AGE INTERVAL

Placed (1)	Experience Band 2000-2009										Placement Band 1995-2009	
	2000 (2)	2001 (3)	2002 (4)	2003 (5)	2004 (6)	2005 (7)	2006 (8)	2007 (9)	2008 (10)	2009 (11)	Total During Age Interval (12)	Age Interval (13)
1995	-	-	-	-	-	-	60 <sup>a</sup>	-	-	-	-	13½-14½
1996	-	-	-	-	-	-	-	-	-	-	-	12½-13½
1997	-	-	-	-	-	-	-	-	-	-	-	11½-12½
1998	-	-	-	-	-	-	-	(5) <sup>b</sup>	-	-	60	10½-11½
1999	-	-	-	-	-	-	-	6 <sup>a</sup>	-	-	-	9½-10½
2000	-	-	-	-	-	-	-	-	-	-	(5)	8½-9½
2001	-	-	-	-	-	-	-	-	-	-	-	7½-8½
2002	-	-	-	-	-	-	-	-	-	-	-	6½-7½
2003	-	-	-	-	-	-	-	(12) <sup>b</sup>	-	-	-	5½-6½
2004	-	-	-	-	-	-	-	-	22 <sup>a</sup>	-	-	4½-5½
2005	-	-	-	-	-	-	-	(19) <sup>b</sup>	-	-	10	3½-4½
2006	-	-	-	-	-	-	-	-	-	-	-	2½-3½
2007	-	-	-	-	-	-	-	-	-	(102) <sup>c</sup>	(121)	1½-2½
2008	-	-	-	-	-	-	-	-	-	-	-	½-1½
2009	-	-	-	-	-	-	-	-	-	-	-	0-½
Total	=	=	=	=	=	=	60	(30)	22	(102)	(50)	

<sup>a</sup> Transfer Affecting Exposures at Beginning of Year

<sup>b</sup> Transfer Affecting Exposures at End of Year

<sup>c</sup> Sale with Continued Use

Parentheses denote Credit amount.

on the table beginning with the 2000 retirements of 1995 installations and ending with the 2000 retirements of the 2002 installations. Thus, the total amount of 143 for age interval 4½-5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

In Table 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements, but are used in developing the exposures at the beginning of each age interval.

Schedule of Plant Exposed to Retirement. The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Table 3 on page II-15. The surviving plant at the beginning of each year from 2000 through 2009 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Table 3 for each successive year following the beginning balance or addition are obtained by adding or subtracting the net entries shown on Tables 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year

TABLE 3. PLANT EXPOSED TO RETIREMENT JANUARY 1  
OF EACH YEAR 2000-2009  
SUMMARIZED BY AGE INTERVAL

Year Placed (1)	Exposures, Thousands of Dollars										Total at Beginning of Age Interval (12)	Age Interval (13)
	Annual Survivors at the Beginning of the Year											
	2000 (2)	2001 (3)	2002 (4)	2003 (5)	2004 (6)	2005 (7)	2006 (8)	2007 (9)	2008 (10)	2009 (11)		
1995	255	245	234	222	209	195	239	216	192	167	167	13½-14½
1996	279	268	256	243	228	212	194	174	153	131	323	12½-13½
1997	307	296	284	271	257	241	224	205	184	162	531	11½-12½
1998	338	330	321	311	300	289	276	262	242	226	823	10½-11½
1999	376	367	357	346	334	321	307	297	280	261	1,097	9½-10½
2000	420 <sup>a</sup>	416	407	397	386	374	361	347	332	316	1,503	8½-9½
2001		460 <sup>a</sup>	455	444	432	419	405	390	374	356	1,952	7½-8½
2002			510 <sup>a</sup>	504	492	479	464	448	431	412	2,463	6½-7½
2003				580 <sup>a</sup>	574	561	546	530	501	482	3,057	5½-6½
2004					660 <sup>a</sup>	653	639	623	628	609	3,789	4½-5½
2005						750 <sup>a</sup>	742	724	685	663	4,332	3½-4½
2006							850 <sup>a</sup>	841	821	799	4,955	2½-3½
2007								960 <sup>a</sup>	949	926	5,719	1½-2½
2008									1,080 <sup>a</sup>	1,069	6,579	½-1½
2009											7,490	0-½
Total	1,975	2,382	2,824	3,318	3,872	4,494	5,247	6,017	6,852	7,799	44,780	

<sup>a</sup> Additions during the year.

considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2004 are calculated in the following manner:

Exposures at age 0	= amount of addition	= \$750,000
Exposures at age ½	= \$750,000 - \$ 8,000	= \$742,000
Exposures at age 1½	= \$742,000 - \$18,000	= \$724,000
Exposures at age 2½	= \$724,000 - \$20,000 - \$19,000	= \$685,000
Exposures at age 3½	= \$685,000 - \$22,000	= \$663,000

For the entire experience band 2000-2009, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Table 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½-5½, is obtained by summing:

$$255 + 268 + 284 + 311 + 334 + 374 + 405 + 448 + 501 + 609.$$

Original Life Table. The original life table, illustrated in Table 4 on page II-18, is developed from the totals shown on the schedules of retirements and exposures, Tables 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule. The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the

retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½	=	88.15	
Exposures at age 4½	=	3,789,000	
Retirements from age 4½ to 5½	=	143,000	
Retirement Ratio	=	$143,000 \div 3,789,000$	= 0.0377
Survivor Ratio	=	$1.000 - 0.0377$	= 0.9623
Percent surviving at age 5½	=	$(88.15) \times (0.9623)$	= 84.83

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Tables 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless.

The original survivor curve is plotted from the original life table (column 6, Table 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

Smoothing the Original Survivor Curve. The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

TABLE 4. ORIGINAL LIFE TABLE

CALCULATED BY THE RETIREMENT RATE METHOD

Experience Band 2000-2009

Placement Band 1995-2009

(Exposure and Retirement Amounts are in Thousands of Dollars)

<u>Age at Beginning of Interval</u> (1)	<u>Exposures at Beginning of Age Interval</u> (2)	<u>Retirements During Age Interval</u> (3)	<u>Retirement Ratio</u> (4)	<u>Survivor Ratio</u> (5)	<u>Percent Surviving at Beginning of Age Interval</u> (6)
0.0	7,490	80	0.0107	0.9893	100.00
0.5	6,579	153	0.0233	0.9767	98.93
1.5	5,719	151	0.0264	0.9736	96.62
2.5	4,955	150	0.0303	0.9697	94.07
3.5	4,332	146	0.0337	0.9663	91.22
4.5	3,789	143	0.0377	0.9623	88.15
5.5	3,057	131	0.0429	0.9571	84.83
6.5	2,463	124	0.0503	0.9497	81.19
7.5	1,952	113	0.0579	0.9421	77.11
8.5	1,503	105	0.0699	0.9301	72.65
9.5	1,097	93	0.0848	0.9152	67.57
10.5	823	83	0.1009	0.8991	61.84
11.5	531	64	0.1205	0.8795	55.60
12.5	323	44	0.1362	0.8638	48.90
13.5	<u>167</u>	<u>26</u>	0.1557	0.8443	42.24
					35.66
Total	<u>44,780</u>	<u>1,606</u>			

Column 2 from Table 3, Column 12, Plant Exposed to Retirement.

Column 3 from Table 1, Column 12, Retirements for Each Year.

Column 4 = Column 3 divided by Column 2.

Column 5 = 1.0000 minus Column 4.

Column 6 = Column 5 multiplied by Column 6 as of the Preceding Age Interval.

The lowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the lowa curves using visual and mathematical matching in order to determine the better fitting smooth curves. In Figures 6, 7, and 8, the original curve developed in Table 4 is compared with the L, S, and R lowa type curves which most nearly fit the original survivor curve. In Figure 6, the L1 curve with an average life between 12 and 13 years appears to be the best fit. In Figure 7, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better than the L1 fitting. In Figure 8, the R1 type curve with a 12-year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 9, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 lowa curve would be selected as the most representative of the plotted survivor characteristics of the group.

Survivor Curve Judgments. The survivor curve estimates were based on judgment which considered a number of factors. The primary factors were the statistical analysis of data; current policies and outlook as determined during conversations with management personnel; and average service life estimates from previous studies of this Company and other natural gas distribution companies.

Following is a discussion for the major accounts of Gaz Metro, and the manner in which the average service life estimate was made. The following discussion focuses on the accounts for which the average service life estimate was made based on the



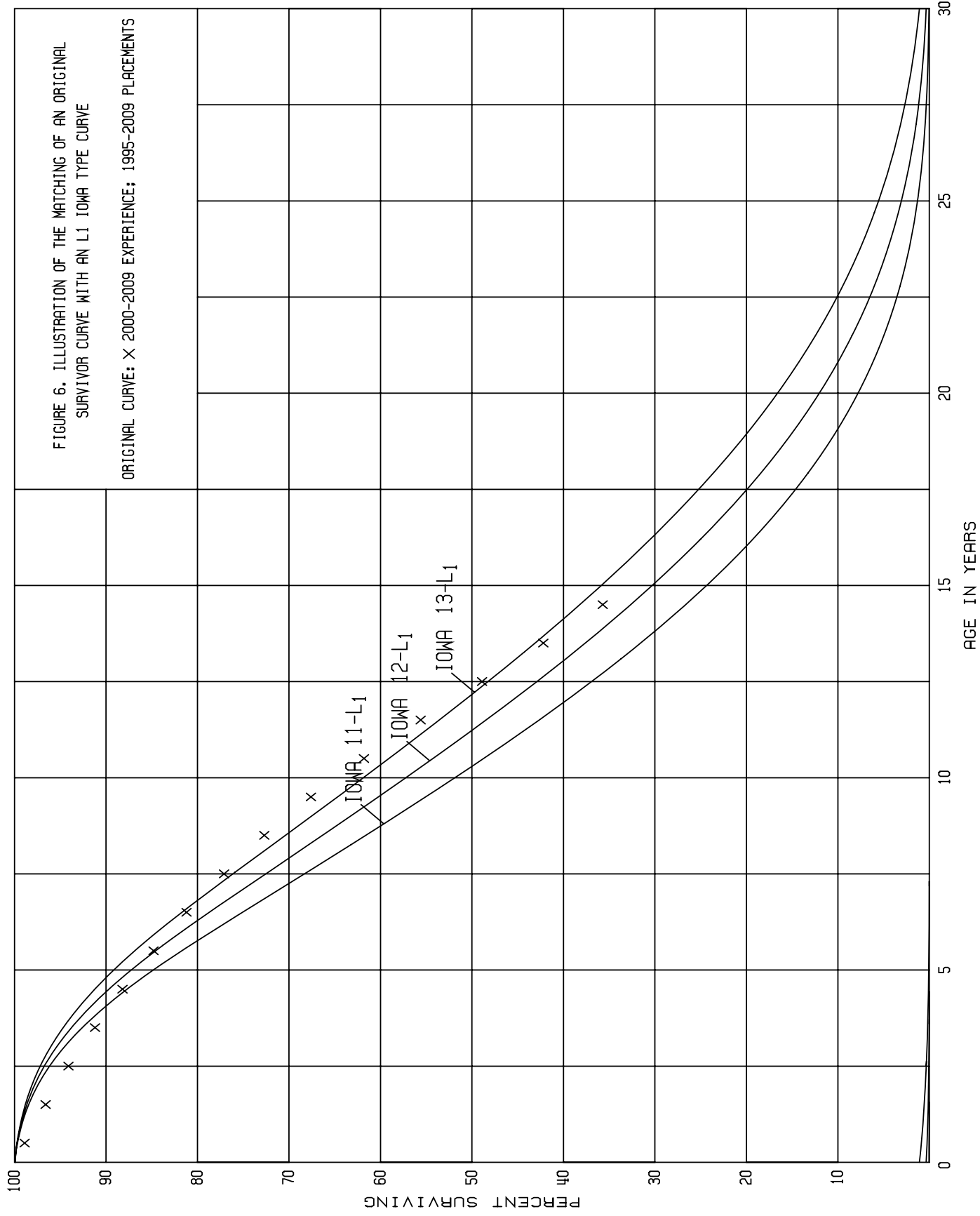


FIGURE 6. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1 IOWA TYPE CURVE

ORIGINAL CURVE: X 2000-2009 EXPERIENCE; 1995-2009 PLACEMENTS

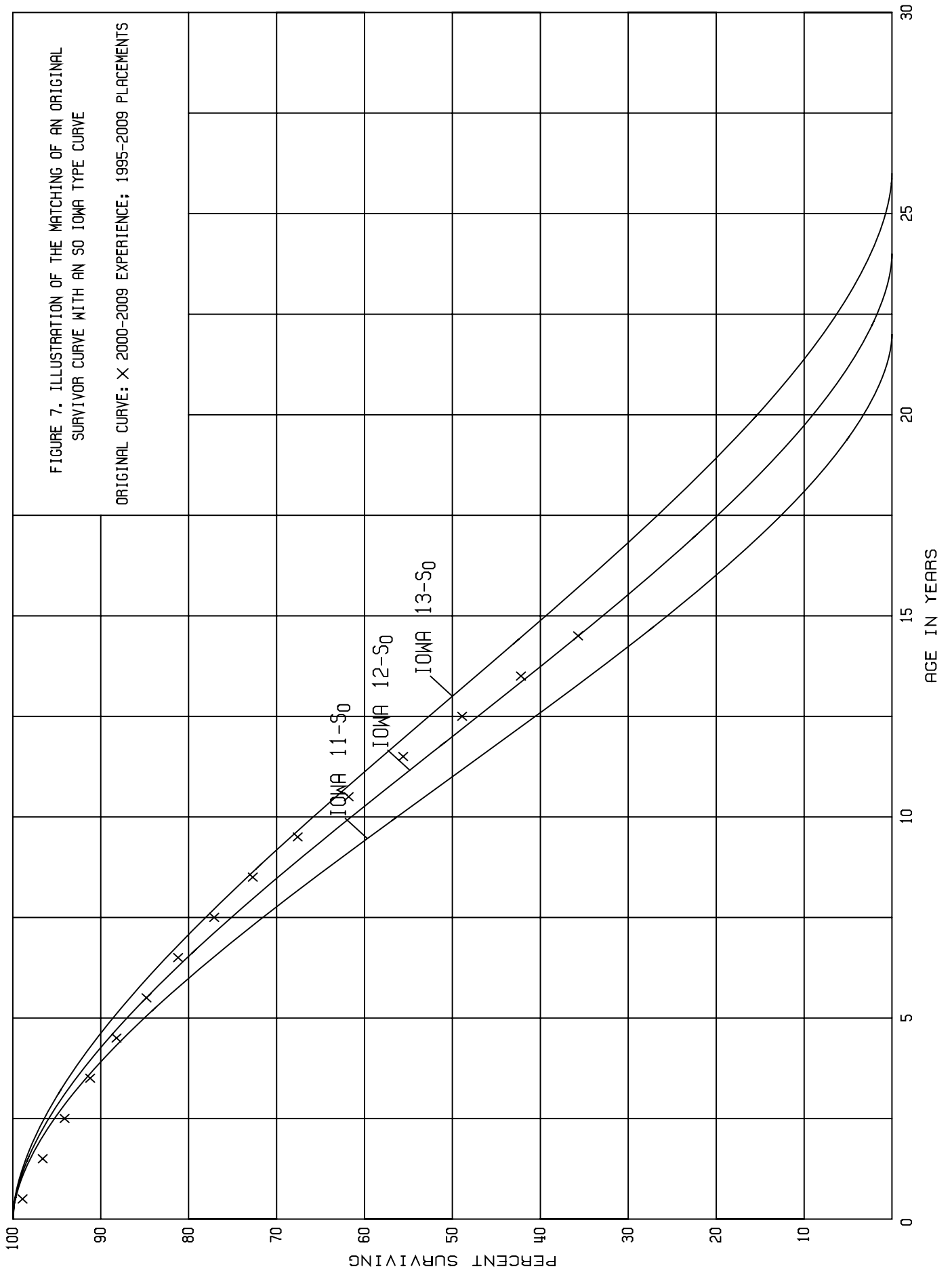
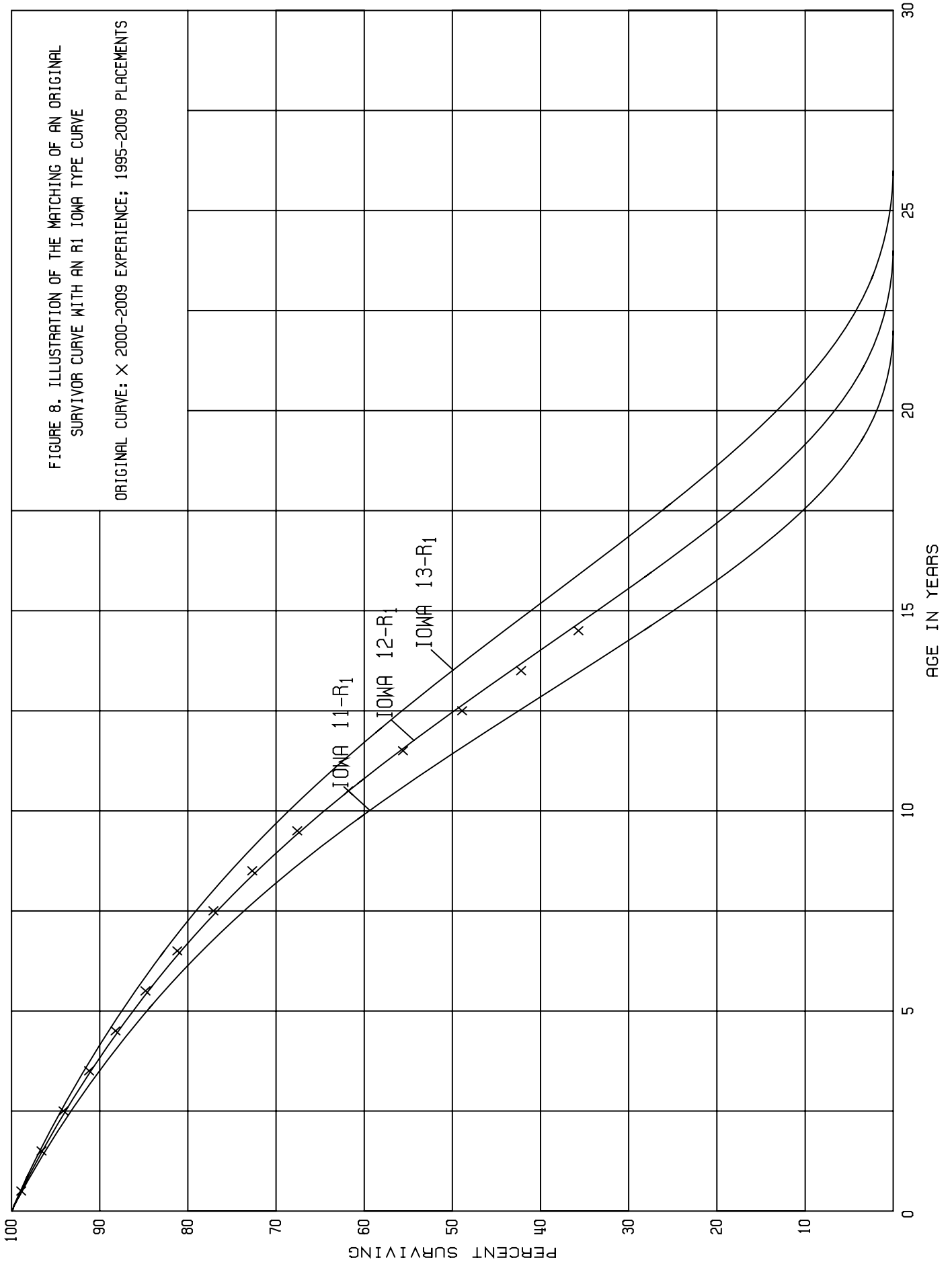
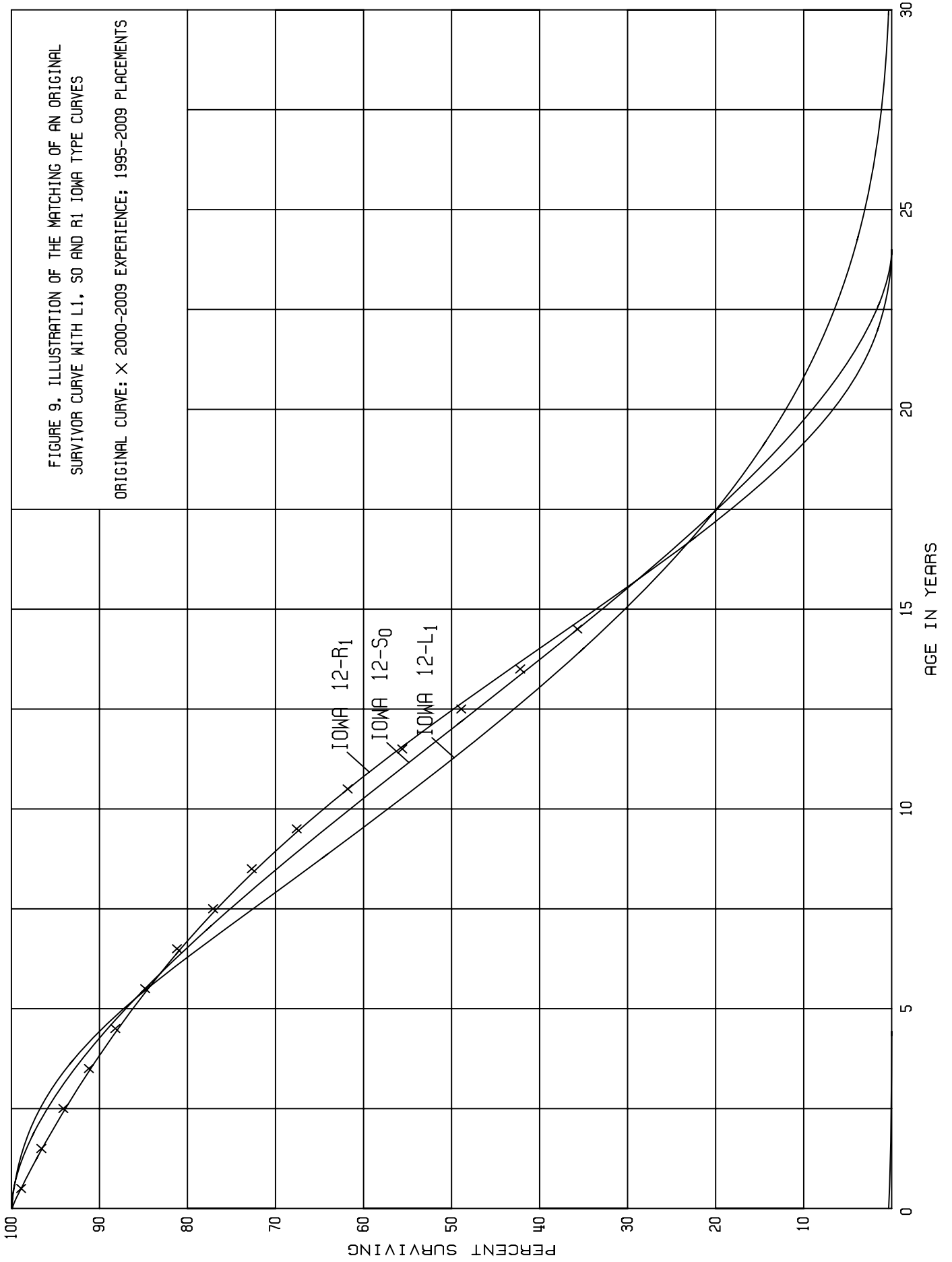


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN SO IOWA TYPE CURVE

ORIGINAL CURVE: X 2000-2009 EXPERIENCE; 1995-2009 PLACEMENTS





retirement rate analysis as discussed in prior section of this report. While the following discussion focuses on the large accounts, all accounts studied using the retirement rate analysis were analyzed in the same manner.

Account Z1100, Distribution Services - Steel – represents approximately 5% of the depreciable distribution plant studied. The retirements, additions and other plant transactions for the period 1957 through 2009 were analyzed using the retirement rate analysis method. The original survivor curve, as plotted on page IV-2, indicates a trend of significant retirement ratios beginning early in the life of the account and continuing at a constant rate through the 52 year observation period. The high frequency of early retirement ratios is typical of distribution plant of this type and leads to a low mode lowa curve. The previously used lowa curve estimate of the lowa 33-R2 for this account, appears to be too short and of too high of a mode. The statistical analysis provides for an lowa curve of the 50-R1.5.

The discussions held with the company operations and engineering staff indicated that the continued use of a 33 year life is too short, which is consistent with the retirement rate analysis results. A move from the current 33 year life to a 50 year life (an increase of over 50%) is deemed by Gannett Fleming and the company management to be too large to make within the scope of one depreciation study. Gannett Fleming also notes that the lowa 45-R1.5 provides a good fit to the historic retirement ratios through age 30, which represents a 30 year period of the most significant investment exposed to retirement.

The 45-R1.5 lowa curve provides a good interpretation of the historical data for the first 30 years of the accounts life meets the expectations of the company operating

staff and provides a life extension of 12 years. This account will be closely monitored in future depreciation studies to determine if further life extension continues to be apparent.

Account Z1102 – Distribution Services - Plastic, represents approximately 19% of the depreciable distribution plant studied. The retirements, additions and other plant transactions for the period 1977 through 2009 were analyzed with the retirement rate method. The original survivor curve, as plotted on page IV-8, indicates consistent retirement ratios through to age 32. The early retirement in this account occurs at a lesser rate than occurs in the other larger distribution plant accounts, and is consistent with industry trends for plant of this type. The previously used lowa curve estimate for this account was the lowa 35-R2. The retirement rate analysis indicated an increase in the lowa curve estimate to the lowa 50-R2.5. Typical average service lives for plastic gas distribution services range from 33 to 55 years, with most being at least 50 years.

Gannett Fleming interviews of Operations and Engineering staff related to this account, indicated that the expectations of the company is that the plastic distribution services should last at least 50 years on average and would have a maximum life of much more than 50 years. The 50-R2.5 lowa curve, provides a good interpretation of the historical data, and is forecast to be representative of the anticipated future retirement activity.

Account Z1150 – Distribution Mains – Steel represents approximately 23% of the depreciable plant studied. The retirements, additions and other plant transactions for the period 1957 through 2009 were analyzed with the retirement rate method. The original survivor curve, as plotted on page IV-15, low retirement ratios through age 35 and then

significantly increasing ratios of retirement thereafter through to the end of the observation period this type of a trend in retirement ratios is consistent with a higher mode R lowa curve. The previously used lowa curve estimate for this account was the lowa 42-R4. The retirement rate analysis indicated an increase in average service life estimate to 65 years and a reduction in the mode from an R4 curve to the R3 curve.

Gannett Fleming has maintained the indication of the lowa R3 curve in the recommendations of this report, however a move from the current 42 year life to a 65 year life (an increase of over 50%) is deemed by Gannett Fleming and the company management to be too large to make within the scope the scope of one depreciation study. Typical average service lives for plastic gas distribution mains range from 50 to 70 years, with most being at least 50 years.

Gannett Fleming interviews of Operations and Engineering staff related to this account, indicated that the expectations of the company is that the plastic distribution mains should last at least 50 years on average and would have a maximum life of much more than 50 years. The 50-R3 lowa is forecast to be representative of the anticipated future retirements of this account. However, this account will be monitored in future studies to determine if a further life extension is required.

Account Z1151 - Distribution Mains - Plastic, represents approximately 25% of the depreciable plant studied. Historical retirements, additions and other plant transactions for the period 1972 through 2009 were analyzed with the retirement rate method. The original survivor curve, as plotted on page IV-18, indicates very limited retirement activity through the observation period of this account to date. Typical lowa

curve estimates for this type of plastic distribution mains usually range from 50 to 75 years. The previously approved lowa curve estimate for this account was the 50-R3.

Given the limited amount of retirement activity experienced to date, the results of the retirement rate analysis were used only for the determination that this account should maintain the use of a higher mode R lowa curve and that the current 50 year average service life estimate is likely to short. These assumptions were confirmed with the interviews held with the Operations and Engineering staff.

The lowa 60-R3 recommended in this study provides recognition to the limited historic retirement experience, is within the range typically used by industry, and provides for a reasonable expectation of the future retirement trends.

Account Z1200 Distribution Meters represent approximately 5% of the depreciable plant studied. Plant accounting transactions from 1956 through 2009 were analyzed with the retirement rate method. The original survivor curve, as plotted on page IV-22, indicates a significant amount of retirement activity in this account through the complete observation period. The retirement rate analysis provided an lowa curve estimate of the lowa 24-R.5. The currently approved lowa curve estimate is the lowa L2-22.

Gannett Fleming held interviews with the company's internal experts in the area of metering, and toured the company's metering shop. Recent pronouncements made by Measurement Canada lead the company to believe that the older analog natural gas metering equipment will undergo a period of significant retirement activity, as it will be difficult for the existing analog meters to pass the new stringent testing requirements. Gannett Fleming has witnessed a trend in recent depreciation studies of natural gas



plant where the increased use of digital metering equipment has caused the typical average service life estimates for this equipment to be reduced from the previous 25 to 35 year range to 15 or 20 years. The company's internal metering experts indicated that some of the casing material may have a life expectation of approximately 20 years and the internal component parts would have an estimated life of 15 years. Gannett Fleming notes that this experience and expectation is now being common in the natural gas distribution industry.

Gannett Fleming recommends a decrease to the recommended 18 – R1.5 based on the comments of the company's internal experts, and the experience of Gannett Fleming within the natural gas industry.

Account Z3100 – Transmission Mains represent approximately 10% of the depreciable plant studied. Plant accounting transactions from 1983 through 2009 were analyzed with the retirement rate method. The original survivor curve, as plotted on page IV-44, indicates that no retirement activity has occurred over this observation period. As such the average service life estimate of this account was based on the professional judgment of Gannett Fleming.

Gannett Fleming has completed a number of depreciation studies for Canadian natural gas and crude oil transmission systems. Based on this experience Gannett Fleming recommends the use of the Iowa 65-R3 at this time.

The survivor curve estimates for the remaining accounts, were based on similar considerations of historical analyses, management outlook and estimates for the company and other natural gas distribution utilities.

Net Salvage Estimates. The estimates of net salvage were based primarily on the professional judgment of Gannett Fleming, in part on historical data for the years 2002 through 2009, and in part through a comparison to peer gas transmission and distribution companies. Gross salvage and cost of removal as recorded to the depreciation reserve account and related to experienced retirements were used. Percentages of the cost of plant retired were calculated for each component of net salvage on both annual and five-year moving average bases.

When a natural gas utility retires a plant, the plant may be: (1) sold to a third party; (2) re-used by the utility for additional service; (3) abandoned in place; or (4) physically removed. In the circumstances where the plant is sold or re-used a salvage proceed (or positive salvage amount) is normally recognized. In circumstances where the plant is abandoned in place or physically removed, a cost of removal expenditure (or negative salvage) is incurred. The net of these estimated gross salvage proceeds and the estimated costs of removal are expressed as a percentage of the accounts original cost to determine a net salvage percentage. In the circumstances where the salvage proceeds exceed the costs of retirement a net positive salvage percentage exists. In the circumstances where the costs of removal exceed the salvage proceeds, a net negative salvage percentage results.

The estimation of the Net Salvage percentages developed in this study included the following steps:

1. The annual retirement, gross salvage and cost of removal transactions for the period from 2002 through 2009 were extracted from the plant accounting systems.
2. A net salvage amount (gross salvage proceeds less cost of retirement) was calculated for each historic year. Additionally, a net salvage

amount was also calculated for each historic 3-year moving average band, and the most recent 5-year rolling band.

3. The net salvage amount determined above was compared to the original booked costs retired for each period in the manner described, which resulted in a net salvage percentage of original costs retired for each year, in addition to the 3-year rolling and most recent 5-year bands.
4. The annual, 3-year rolling average, and most recent 5-year net salvage percentages were analyzed to determine a reasonable estimated net salvage percentage. At this point the net salvage percentage was based purely upon statistical analysis.
5. Each account was then analyzed based on the statistical analyses, were compared to a group of peer Natural Gas Utilities, and with the professional judgment of Gannett Fleming. Based on this analysis, a net salvage percentage for each account was determined. The professional judgment of Gannett Fleming included consideration of the discussions held with the Gaz Metro operational and management staff.

The statistical analysis of the net salvage transactions analyzed for each account is provided in the Net Salvage Statistics section of this report.

## CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

Group Depreciation Procedures. When more than a single item of property is under consideration, a group procedure for depreciation is appropriate because normally all of the items within a group do not have identical service lives, but have lives that are dispersed over a range of time. There are two primary group procedures, namely, average service life and equal life group.

In the average service life procedure, the rate of annual depreciation is based on the average life or average service life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost

of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life. In this procedure, the accrued depreciation is based on the average service life of the group and the average remaining life of each vintage within the group derived from the area under the survivor curve between the attained age of the vintage and the maximum age.

In the equal life group procedure, the property group is subdivided according to service life. That is, each equal life group includes that portion of the property which experiences the life of that specific group. The relative size of each equal life group is determined from the property's life dispersion curve. The calculated depreciation for the property group is the summation of the calculated depreciation based on the service life of each equal life group. The table on the following page presents an illustration of the calculation of equal life group depreciation using the Iowa 18-R15 survivor curve, 0 percent net salvage and a December 31, 2009 calculation date. In the table, each equal life group is defined by the age interval shown in columns 1 and 2. These are the ages at which the first and last retirement of each group occurs, and the group's equal life, shown in column 3, is the midpoint of the interval. For purposes of the calculation, each vintage is divided into equal life groups arranged so that the midpoint of each one-year age interval coincides with the calculation date, e.g., December 31 in this case. This enables the calculation of annual accruals for a twelve-month period centered on the date of calculation.

The retirement during the age interval, shown in column 4, is the size of each equal life group and is derived from the Iowa 18-R15 survivor curve and 0 percent net salvage. It is the difference between the percents surviving at the beginning and end of the age interval. Each equal life group's annual accrual, shown in column 5, equals the group's size (column 4) divided by its life (column 3).

Columns 6 through 10 show the derivation of the annual and accrued factors for each vintage based on the information developed in the first five columns. The year installed is shown in column 6. For all vintages other than 2009, the summation of annual accruals for each year installed, shown in column 7, is calculated by adding one-half of the group annual accrual (column 5) for that vintage's current age interval plus the group annual accruals for all succeeding age intervals. For example, the figure 7.53413204309 for 2008 equals one-half of 0.14669333333 plus all of the succeeding figures in column 5. Only one-half of the annual accrual for the vintage's current age interval group is included in the summation because the equal life group for that interval has reached the year during which it is expected to be retired.

The summation of annual accruals (column 7) for installations during 2009 is calculated on the basis of an in-service date at the midpoint of the year, i.e., June 30. Inasmuch as the overall calculation is centered on December 31, 2009, the first figure in column 7, for vintage 2009, equals all of the group annual accrual for the first equal life group plus the accruals for all of the subsequent equal life groups.

DETAILED COMPUTATION OF ANNUAL AND ACCRUED FACTORS USING  
THE EQUAL LIFE GROUP PROCEDURE

INPUT PARAMETERS:

CALCULATION DATE... 12-31-2009  
SURVIVOR CURVE.... 18-R1.5

AGE BEG (1)	INTERVAL END (2)	RETIREMENTS DURING LIFE INTERVAL (3)	GROUP ANNUAL ACCRUAL (4)	GROUP ANNUAL ACCRUAL (5)=(4)/(3)	YEAR INST (6)	SUMMATION OF ANNUAL ACCRUALS (7)	AVERAGE PERCENT SURVIVING (8)	ANNUAL FACTOR (9)	ACCRUED FACTOR (10)
0.000	1.000	0.500	1.02524	1.02524000000	2009	8.83901278019	99.496074	0.0888	0.0444
1.000	2.000	1.500	1.13735	0.75823333333	2008	7.43465611352	98.406081	0.0756	0.1134
2.000	3.000	2.500	1.25920	0.50368000000	2007	6.80369944686	97.207807	0.0700	0.1750
3.000	4.000	3.500	1.38828	0.39665142857	2006	6.35353373257	95.884069	0.0663	0.2321
4.000	5.000	4.500	1.52741	0.33942444444	2005	5.98549579607	94.426227	0.0634	0.2853
5.000	6.000	5.500	1.67618	0.30476000000	2004	5.66340357385	92.824432	0.0610	0.3355
6.000	7.000	6.500	1.83955	0.28300769231	2003	5.36951972769	91.066566	0.0590	0.383
7.000	8.000	7.500	2.02313	0.26975066667	2002	5.09314054820	89.135225	0.0571	0.4283
8.000	9.000	8.500	2.22763	0.26207411765	2001	4.82722815604	87.009844	0.0555	0.4718
9.000	10.000	9.500	2.45852	0.25879157895	2000	4.56679530774	84.666771	0.0539	0.5121
10.000	11.000	10.500	2.70903	0.25800285714	1999	4.30839808970	82.082995	0.0525	0.5513
11.000	12.000	11.500	2.98546	0.25960521739	1998	4.04959405243	79.235748	0.0511	0.5877
12.000	13.000	12.500	3.27815	0.26225200000	1997	3.78866544374	76.103944	0.0498	0.6225
13.000	14.000	13.500	3.58759	0.26574740741	1996	3.52466574003	72.671075	0.0485	0.6548
14.000	15.000	14.500	3.90323	0.26918827586	1995	3.25719789840	68.925666	0.0473	0.6859
15.000	16.000	15.500	4.21678	0.27205032258	1994	2.98657859918	64.865662	0.0460	0.7130
16.000	17.000	16.500	4.51557	0.27367090909	1993	2.71371798334	60.499489	0.0449	0.7409
17.000	18.000	17.500	4.78155	0.27323142857	1992	2.44026681451	55.850928	0.0437	0.7648
18.000	19.000	18.500	4.99988	0.27026378378	1991	2.16851920834	50.960212	0.0426	0.7881
19.000	20.000	19.500	5.14435	0.26381282051	1990	1.90148090619	45.888098	0.0414	0.8073
20.000	21.000	20.500	5.20306	0.25380780488	1989	1.64267059350	40.714390	0.0403	0.8262
21.000	22.000	21.500	5.15583	0.23980604651	1988	1.39586366780	35.534945	0.0393	0.8450
22.000	23.000	22.500	4.99939	0.22219511111	1987	1.16486308899	30.457337	0.0382	0.8595
23.000	24.000	23.500	4.73249	0.20138255319	1986	0.95307425684	25.591398	0.0372	0.8742
24.000	25.000	24.500	4.37426	0.17854122449	1985	0.76311236800	21.038023	0.0363	0.8894
25.000	26.000	25.500	3.93991	0.15450627451	1984	0.59658861850	16.880936	0.0353	0.9002
26.000	27.000	26.500	3.46756	0.13085132075	1983	0.45390982087	13.177200	0.0344	0.9116
27.000	28.000	27.500	2.96758	0.10791200000	1982	0.33452816050	9.959629	0.0336	0.9240
28.000	29.000	28.500	2.47139	0.08671543860	1981	0.23721444120	7.240146	0.0328	0.9348
29.000	30.000	29.500	1.97689	0.06701322034	1980	0.16035011173	5.016006	0.0320	0.9440
30.000	31.000	30.500	1.49992	0.04917770492	1979	0.10225464910	3.277599	0.0312	0.9516
31.000	32.000	31.500	1.05502	0.03349269841	1978	0.06091944743	2.000128	0.0305	0.9608
32.000	33.000	32.500	0.67924	0.02089969231	1977	0.03372325207	1.133001	0.0298	0.9685
33.000	34.000	33.500	0.42327	0.01263492537	1976	0.01695594323	0.581748	0.0291	0.9749
34.000	35.000	34.500	0.26197	0.00759333333	1975	0.00684181388	0.239127	0.0286	0.9867
35.000	36.000	35.500	0.10586	0.00298197183	1974	0.00155416130	0.055211	0.0281	0.9976
36.000	36.180	36.090	0.00228	0.00006317539	1973	0.00000568579	0.000205	0.0277	1.0000
TOTAL		100.00000							

The average percent surviving derived from the Iowa 15-R3 survivor curve and 0 percent net salvage is shown in column 8 for each age interval. The annual factor, shown in column 9, is the result of dividing the summation of annual accruals (column 7) by the average percent surviving (column 8). The accrued factor, shown in column 10, equals the annual factor multiplied by the age of the group at December 31, 2009.

The use of the ELG procedure in this study represents a change in the grouping procedure from the use of the ASL procedure used in previous Gaz Metro studies. In the view of Gannett Fleming the ELG procedure provides a superior conformance to the IFRS standards which require the depreciation of an asset over its specific life. The ELG procedure is premised on the recovery of capital investment over the estimated life of each specific equal life group within each vintage. The use of the ASL procedure relies on the long life assets to recover the shortfall of depreciation from the short life assets which never had the opportunity to be fully recovered. While it is Gannett Fleming's understanding that the ASL procedure is acceptable for the determination of the annual depreciation accrual for IFRS purposes, use of the ASL procedure will result in an increased amount of losses being charged to the income statement of the utility.

Gannett Fleming also notes that the use of the ELG method eliminates the inter-generational inequities that are caused by the ASL method. Because the depreciation expense is aligned with the consumption of service value, ratepayers at any point in time are only charged with the depreciation expense associated with the consumption of service value of assets for which those same ratepayers had the benefit of service.

### PART III. RESULTS OF STUDY



## PART III. RESULTS OF STUDY

### QUALIFICATION OF RESULTS

The calculated annual and accrued depreciation and the calculation of the composite average remaining life are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and salvage and for the change of the composition of property in service. The annual accrual rates and the accrued depreciation were calculated in accordance with the straight line method, using the equal life group procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

### DESCRIPTION OF DETAILED TABULATIONS

The service life estimates were based on judgment that incorporated statistical analysis of retirement data, discussions with management and consideration of estimates made for other natural gas distribution utilities. The results of the statistical analysis of service life are presented in the supporting materials document beginning on page IV-2.

For each depreciable group analyzed by the retirement rate method, a chart depicting the original and estimated survivor curves is followed by a tabular presentation of the original life table(s) plotted on the chart. The survivor curves estimated for the depreciable groups are shown as dark smooth curves on the charts. Each smooth survivor curve is denoted by a numeral followed by the curve type designation. The

numeral used is the average life derived from the entire curve from 100 percent to zero percent surviving.

The titles of the chart indicate the group, the symbol used to plot the points of the original life table, and the experience and placement bands of the life tables which were plotted. The experience band indicates the range of years for which retirements were used to develop the stub survivor curve. The placements indicate, for the related experience band, the range of years of installations that appear in the experience.

The tables of the calculated annual depreciation applicable to plant as of September 30, 2009 are presented in account sequence starting on page V-2. The tables indicate the estimated average survivor curves and net salvage percents used in the calculations. The tables set forth, for each installation year, the original cost, calculated accrued depreciation, and the calculated annual accrual.

GAZ METRO

SCHEDULE 1. ESTIMATED SURVIVOR CURVE, ORIGINAL COST, BOOK DEPRECIATION RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AT SEPTEMBER 30, 2009  
EQUAL LIFE GROUP

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	DEPRECIABLE WORK	SURVIVOR CURVE	NET SALVAGE	ORIGINAL COST AT SEPTEMBER 30, 2009	DEPRECIATION RESERVE	FUTURE ACCRUALS	CALCULATED ANNUAL ACCRUAL AMOUNT	ACCUMULATED ANNUAL ACCRUAL RATE	COMPOSITE REMAINING LIFE	AVERAGE SERVICE LIFE ESTIMATE
Z1060	DISTRIBUTION SERVITUDE (EASEMENT)	70-SQ	0	12,690,093	2,472,810	10,217,283	196,137	1.55	52.1	70
Z1100	DISTR. BRANCH (SERVICE) - STEEL	45-R1.5	-25	142,015,505	89,174,472	88,344,907	3,774,210	2.66	23.4	45
Z1101	DISTR. BRANCH (SERVICE) COPPER INSERTS	18-L0.5	-25	1,084,160	1,734,753	-379,552	-	-	0.0	18
Z1102	DISTR. BRANCH (SERVICE) DIRECT PLASTIC	50-R2.5	-40	503,774,664	183,666,295	521,618,238	16,057,556	3.19	32.5	50
Z1104	DISTR. BRANCH (SERVICE) INSERT PLASTIC	50-R2.5	-40	72,371,211	54,141,638	47,178,057	1,774,157	2.45	26.6	50
Z1105	DISTR. BRANCH (SERVICE) PRE-RELEASE PLASTIC	35-R4	0	1,819,359	627,021	1,192,337	54,854	3.02	21.7	35
Z1105	DISTR. BRANCH (SERVICE) PRE-RELEASE STEEL	35-R4	0	445,861	-32,025	477,886	24,265	5.44	19.7	35
Z1150	DISTR. MAIN PIPE STEEL	50-R3	-25	609,716,274	299,890,297	462,255,049	17,212,926	2.82	26.9	50
Z1151	DISTR. MAIN PIPE DIRECT PLASTIC	60-R3	-10	684,379,799	213,332,755	539,485,024	13,566,870	1.98	39.8	60
Z1152	DISTR. MAIN PIPE PLASTIC INSERTS	60-R5	-10	64,573,729	31,381,563	39,649,538	1,068,183	1.65	37.1	60
Z1200	DISTRIBUTION METER (15 YEARS)	18-R1.5	-25	134,457,733	44,604,114	89,853,618	12,309,642	9.16	7.3	18
Z1250	DISTR. DELIVERY STATION - EQUIPMENTS	32-R5	-25	80,593,528	42,645,062	58,096,848	4,803,693	5.96	12.1	32
Z1251	DISTR. DELIVERY STATION - CIVIL BUILDING	35-S4	-10	12,535,073	5,987,828	7,800,752	521,078	4.16	15.0	35
Z1300	DISTR. RELEASE STATION - EQUIPMENT	28-R2.5	-25	32,873,159	20,330,208	20,761,239	1,835,798	5.58	11.3	28
Z1301	DISTR. RELEASE STATION - CIVIL BUILDING	35-S4	-10	6,183,618	1,434,449	5,367,532	422,405	6.83	12.7	35
Z1501	DISTR. BIOGAZ - SERVITUDE	70-SQ	0	3,415	488	2,927	135	3.95	21.7	70
Z1550	DISTR. BIOGAZ - MAIN PIPE STEEL	65-R3	-25	1,972,475	284,477	2,181,116	102,548	5.20	21.3	65
Z1560	DISTR. BIOGAZ - COMPRESSION STATION - EQUIP	25-R2.5	-10	3,978,795	457,344	3,919,330	240,392	6.04	16.3	25
Z1561	DISTR. BIOGAZ - COMPRESSION STAT. BUILDING	40-R2	-10	1,746,828	239,669	1,681,843	89,847	5.14	18.7	40
Z1570	DISTR. BIOGAZ - METER STATION - EQUIPMENT	25-R2.5	-25	294,902	41,816	326,811	19,650	6.66	16.6	25
Z1571	DISTR. BIOGAZ - METER STATION - BUILDING	40-R2	-10	170,124	24,199	162,938	8,686	5.11	18.8	40
Z3050	TRANSMISSION - SERVITUDES	70-SQ	0	12,739,631	11,689,693	1,039,938	22,190	0.17	46.9	70
Z3100	TRANSMISSION - MAIN PIPE	65-R3	-10	281,293,718	261,369,601	48,053,491	1,299,065	0.46	37.0	65
Z4051	STOCKING - ADMINISTRATIVE BUILDING	35-R3	0	2,482,101	837,501	1,644,598	71,342	2.87	23.1	35
Z4052	STOCKING - BUILDING INFRASTRUCTURE	44-R3	-43	18,560,628	10,728,201	15,813,500	645,450	3.48	24.5	44
Z4101	STOCKING - MECHANIC EQUIPMENT	35-R3	0	8,355,207	5,671,932	2,683,277	145,812	1.75	18.4	35
Z4102	STOCKING - ELECTRONIC EQUIPMENT	5-R3	0	1,835,682	812,485	1,023,196	720,962	39.27	1.4	5
Z4103	STOCKING - SPECIALIZE EQUIPMENT	25-R3	0	2,250,095	1,026,339	1,223,756	131,901	5.86	9.3	25
	<b>TOTAL DEPRECIABLE PLANT</b>			2,695,197,368	1,284,584,985	1,971,675,477	77,119,754			
	TOTAL PLANT			2,695,197,368	1,284,584,985	1,971,675,477	77,119,754			



**GAZ METRO**  
MONTREAL, QUEBEC

**DEPRECIATION STUDY**

**CALCULATED ANNUAL DEPRECIATION ACCRUAL RATES  
APPLICABLE TO PLANT IN SERVICE  
AS OF SEPTEMBER 30, 2009**

**SUPPORTING DOCUMENTS**



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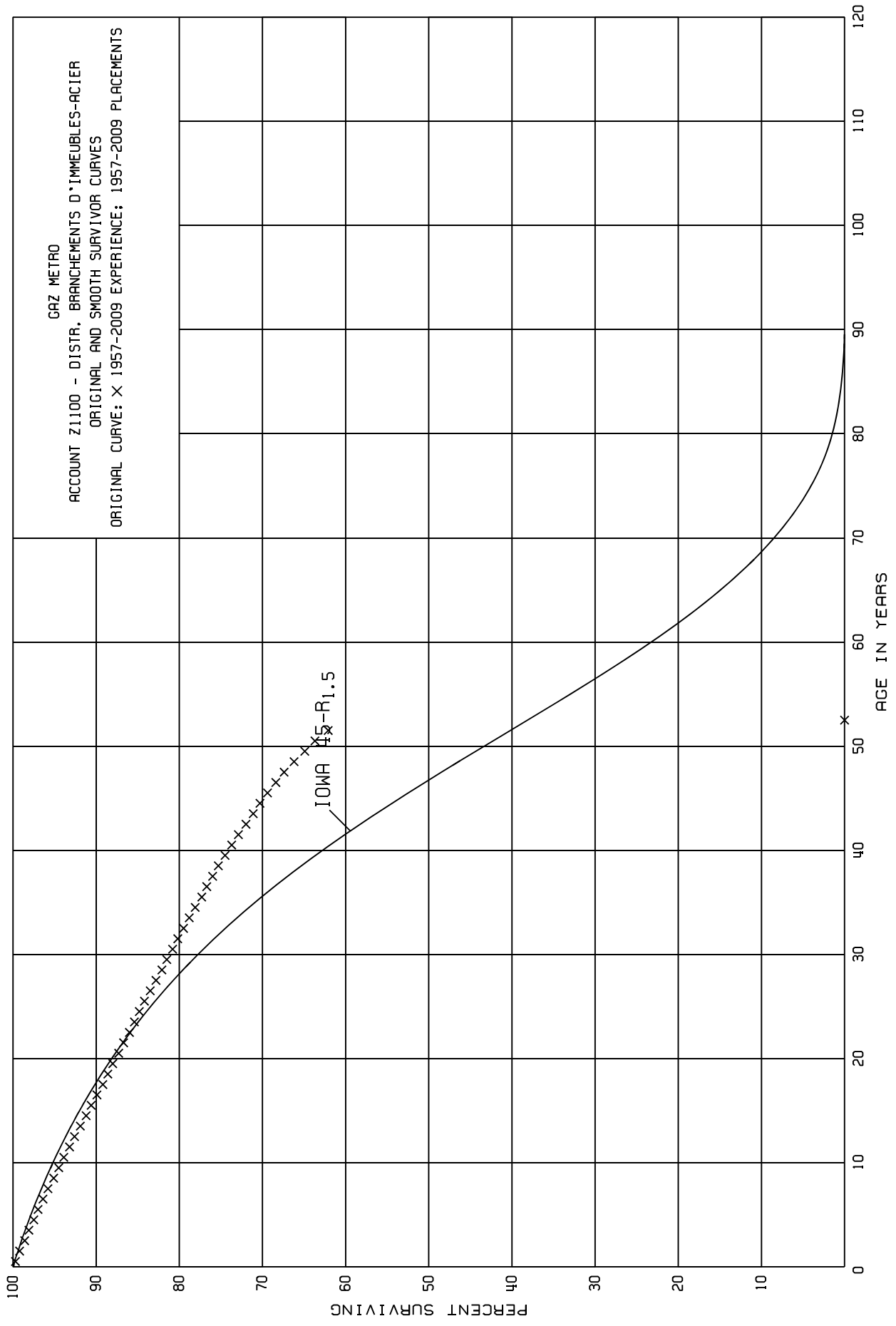
PART V. NET SALVAGE STATISTICS

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PART VI. DETAILED DEPRECIATION CALCULATIONS

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## PART IV. SERVICE LIFE STATISTICS





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ACCOUNT Z1100 - DISTR. BRANCHEMENTS D'IMMEUBLES-ACIER  
DISTR. BRANCH (SERVICE) - STEEL

ORIGINAL LIFE TABLE

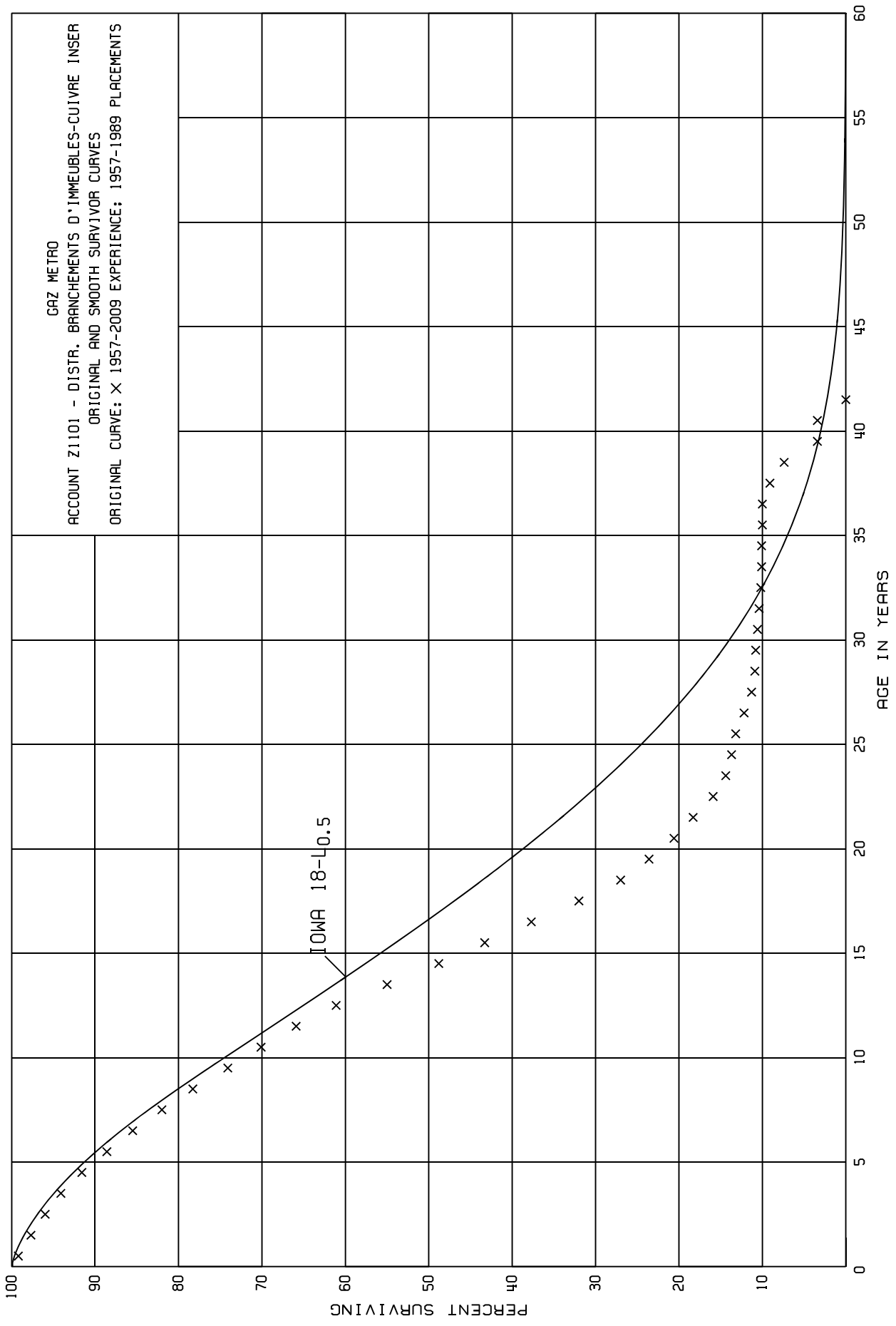
PLACEMENT BAND 1957-2009			EXPERIENCE BAND 1957-2009		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	167,595,464	441,025	0.0026	0.9974	100.00
0.5	164,136,886	890,709	0.0054	0.9946	99.74
1.5	160,859,524	896,001	0.0056	0.9944	99.20
2.5	157,802,431	872,228	0.0055	0.9945	98.64
3.5	154,421,076	887,687	0.0057	0.9943	98.10
4.5	151,195,799	891,457	0.0059	0.9941	97.54
5.5	146,053,888	873,289	0.0060	0.9940	96.96
6.5	144,677,692	933,680	0.0065	0.9935	96.38
7.5	143,351,710	937,978	0.0065	0.9935	95.75
8.5	139,949,949	943,531	0.0067	0.9933	95.13
9.5	136,253,155	915,156	0.0067	0.9933	94.49
10.5	132,932,793	923,462	0.0069	0.9931	93.86
11.5	129,884,049	921,418	0.0071	0.9929	93.21
12.5	125,709,380	887,072	0.0071	0.9929	92.55
13.5	121,621,448	890,571	0.0073	0.9927	91.89
14.5	117,697,763	859,455	0.0073	0.9927	91.22
15.5	114,712,096	837,336	0.0073	0.9927	90.55
16.5	112,328,569	811,620	0.0072	0.9928	89.89
17.5	109,775,947	764,206	0.0070	0.9930	89.24
18.5	106,133,580	759,804	0.0072	0.9928	88.62
19.5	102,871,929	747,487	0.0073	0.9927	87.98
20.5	98,679,408	720,162	0.0073	0.9927	87.34
21.5	95,196,680	725,635	0.0076	0.9924	86.70
22.5	91,086,931	663,203	0.0073	0.9927	86.04
23.5	86,631,892	617,124	0.0071	0.9929	85.41
24.5	78,526,217	583,825	0.0074	0.9926	84.80
25.5	66,928,573	537,823	0.0080	0.9920	84.17
26.5	58,263,848	488,714	0.0084	0.9916	83.50
27.5	52,615,872	438,179	0.0083	0.9917	82.80
28.5	43,478,562	348,508	0.0080	0.9920	82.11
29.5	36,353,030	285,649	0.0079	0.9921	81.45
30.5	31,412,678	241,838	0.0077	0.9923	80.81
31.5	28,586,616	254,479	0.0089	0.9911	80.19
32.5	26,334,087	236,102	0.0090	0.9910	79.48
33.5	23,981,744	215,304	0.0090	0.9910	78.76
34.5	20,389,912	191,953	0.0094	0.9906	78.05
35.5	17,137,289	144,870	0.0085	0.9915	77.32
36.5	15,495,745	132,826	0.0086	0.9914	76.66
37.5	13,856,554	127,638	0.0092	0.9908	76.00
38.5	12,358,799	125,117	0.0101	0.9899	75.30

GAZ METRO

ACCOUNT Z1100 - DISTR. BRANCHEMENTS D'IMMEUBLES-ACIER  
 DISTR. BRANCH (SERVICE) - STEEL

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1957-2009			EXPERIENCE BAND 1957-2009		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	11,110,922	122,831	0.0111	0.9889	74.54
40.5	9,460,493	106,706	0.0113	0.9887	73.71
41.5	7,407,236	87,119	0.0118	0.9882	72.88
42.5	5,644,736	70,436	0.0125	0.9875	72.02
43.5	4,322,793	48,227	0.0112	0.9888	71.12
44.5	3,505,574	44,922	0.0128	0.9872	70.32
45.5	2,705,351	38,763	0.0143	0.9857	69.42
46.5	2,104,435	31,049	0.0148	0.9852	68.43
47.5	1,615,992	28,638	0.0177	0.9823	67.42
48.5	997,958	20,733	0.0208	0.9792	66.23
49.5	528,619	9,444	0.0179	0.9821	64.85
50.5	262,155	6,502	0.0248	0.9752	63.69
51.5	467	467	1.0000	0.0000	62.11
52.5					0.00



GAZ METRO

ACCOUNT Z1101 - DISTR. BRANCHEMENTS D'IMMEUBLES-CUIVRE INSER  
DISTR. BRANCH (SERVICE) COPPER INSERTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1957-1989

EXPERIENCE BAND 1957-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	10,347,117	79,945	0.0077	0.9923	100.00
0.5	10,267,172	161,226	0.0157	0.9843	99.23
1.5	10,105,946	172,293	0.0170	0.9830	97.67
2.5	9,933,652	200,540	0.0202	0.9798	96.01
3.5	9,733,113	251,707	0.0259	0.9741	94.07
4.5	9,481,406	313,050	0.0330	0.9670	91.63
5.5	9,168,355	317,040	0.0346	0.9654	88.61
6.5	8,851,315	371,467	0.0420	0.9580	85.54
7.5	8,479,848	383,341	0.0452	0.9548	81.95
8.5	8,096,506	429,532	0.0531	0.9469	78.25
9.5	7,666,975	414,216	0.0540	0.9460	74.09
10.5	7,252,758	435,687	0.0601	0.9399	70.09
11.5	6,817,071	491,929	0.0722	0.9278	65.88
12.5	6,325,142	631,998	0.0999	0.9001	61.12
13.5	5,693,144	643,657	0.1131	0.8869	55.01
14.5	5,049,488	572,701	0.1134	0.8866	48.79
15.5	4,476,787	577,651	0.1290	0.8710	43.26
16.5	3,899,136	593,358	0.1522	0.8478	37.68
17.5	3,305,778	510,461	0.1544	0.8456	31.95
18.5	2,795,317	359,034	0.1284	0.8716	27.02
19.5	2,436,283	306,952	0.1260	0.8740	23.55
20.5	2,128,830	236,570	0.1111	0.8889	20.58
21.5	1,892,260	252,523	0.1335	0.8665	18.29
22.5	1,639,737	148,315	0.0905	0.9095	15.85
23.5	1,491,422	71,734	0.0481	0.9519	14.42
24.5	1,419,689	59,962	0.0422	0.9578	13.73
25.5	1,359,727	98,494	0.0724	0.9276	13.15
26.5	1,261,199	92,344	0.0732	0.9268	12.20
27.5	1,168,839	39,359	0.0337	0.9663	11.31
28.5	904,779	14,458	0.0160	0.9840	10.93
29.5	750,806	12,206	0.0163	0.9837	10.76
30.5	485,228	10,001	0.0206	0.9794	10.58
31.5	336,163	4,969	0.0148	0.9852	10.36
32.5	207,118	1,937	0.0094	0.9906	10.21
33.5	126,551	565	0.0045	0.9955	10.11
34.5	78,803	211	0.0027	0.9973	10.06
35.5	52,673	46	0.0009	0.9991	10.03
36.5	12,739	1,239	0.0973	0.9027	10.02
37.5	749	135	0.1802	0.8198	9.05
38.5	106	58	0.5472	0.4528	7.42

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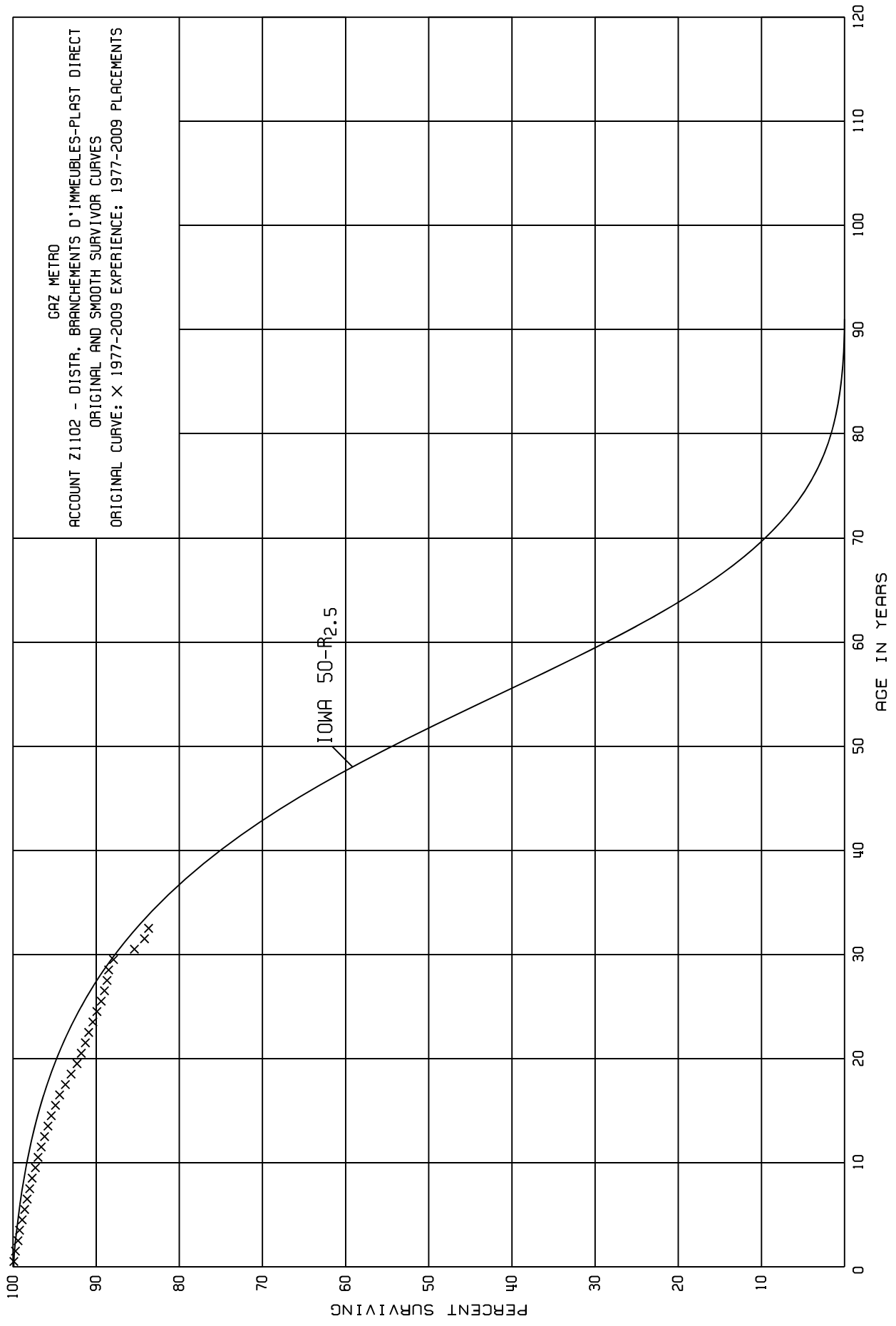
ACCOUNT Z1101 - DISTR. BRANCHEMENTS D'IMMEUBLES-CUIVRE INSER  
 DISTR. BRANCH (SERVICE) COPPER INSERTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1957-1989

EXPERIENCE BAND 1957-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	48		0.0000	1.0000	3.36
40.5	48	48	1.0000	0.0000	3.36
41.5					0.00



GAZ METRO

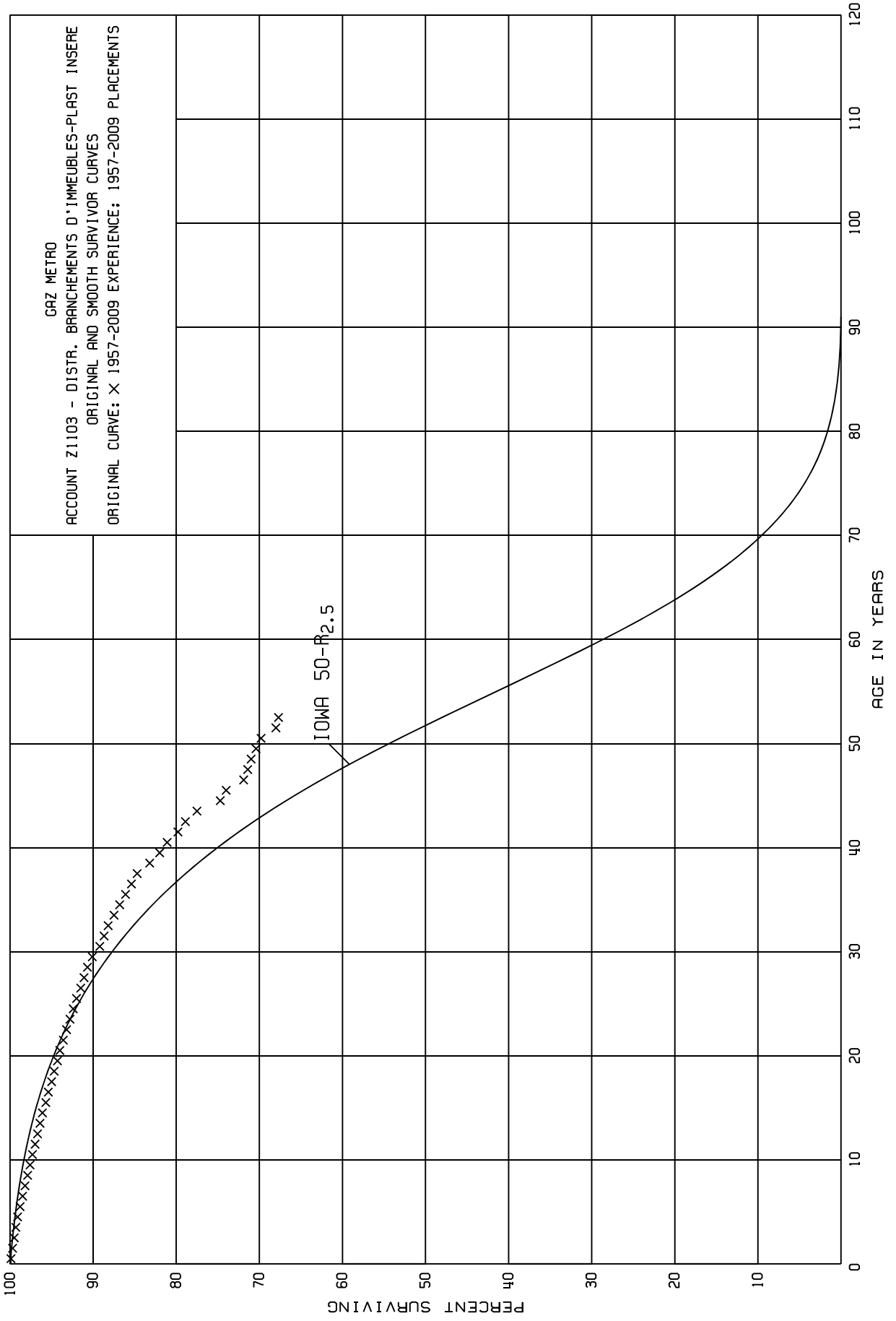
ACCOUNT Z1102 - DISTR. BRANCHEMENTS D'IMMEUBLES-PLAST DIRECT  
 DISTR. BRANCH (SERVICE) DIRECT PLASTIC

ORIGINAL LIFE TABLE

PLACEMENT BAND 1977-2009

EXPERIENCE BAND 1977-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	528,316,132	565,394	0.0011	0.9989	100.00
0.5	498,854,340	1,162,237	0.0023	0.9977	99.89
1.5	469,776,414	1,124,421	0.0024	0.9976	99.66
2.5	440,192,161	1,113,605	0.0025	0.9975	99.42
3.5	408,179,087	1,062,724	0.0026	0.9974	99.17
4.5	376,670,879	1,059,704	0.0028	0.9972	98.91
5.5	356,411,894	1,068,651	0.0030	0.9970	98.63
6.5	336,025,314	1,085,076	0.0032	0.9968	98.33
7.5	316,719,191	1,103,441	0.0035	0.9965	98.02
8.5	298,748,166	1,063,405	0.0036	0.9964	97.68
9.5	280,038,210	1,042,588	0.0037	0.9963	97.33
10.5	264,154,114	1,050,949	0.0040	0.9960	96.97
11.5	249,540,685	1,010,456	0.0040	0.9960	96.58
12.5	234,429,764	1,009,410	0.0043	0.9957	96.19
13.5	218,938,786	965,050	0.0044	0.9956	95.78
14.5	202,826,148	954,445	0.0047	0.9953	95.36
15.5	185,850,933	1,060,239	0.0057	0.9943	94.91
16.5	171,161,479	1,197,025	0.0070	0.9930	94.37
17.5	158,256,133	1,188,694	0.0075	0.9925	93.71
18.5	147,178,558	1,078,507	0.0073	0.9927	93.01
19.5	137,312,237	821,382	0.0060	0.9940	92.33
20.5	126,505,209	606,417	0.0048	0.9952	91.78
21.5	113,667,475	541,484	0.0048	0.9952	91.34
22.5	99,111,571	552,092	0.0056	0.9944	90.90
23.5	86,894,719	502,260	0.0058	0.9942	90.39
24.5	63,708,019	340,669	0.0053	0.9947	89.87
25.5	34,297,045	164,242	0.0048	0.9952	89.39
26.5	14,413,782	41,746	0.0029	0.9971	88.96
27.5	1,909,776	4,246	0.0022	0.9978	88.70
28.5	58,712	389	0.0066	0.9934	88.50
29.5	12,075	353	0.0292	0.9708	87.92
30.5	8,472	114	0.0135	0.9865	85.35
31.5	8,357	54	0.0065	0.9935	84.20
32.5					83.65





GAZ METRO

ACCOUNT Z1103 - DISTR. BRANCHEMENTS D'IMMEUBLES-PLAST INSERE  
 DISTR. BRANCH (SERVICE) INSERT PLASTIC

ORIGINAL LIFE TABLE

PLACEMENT BAND 1957-2009

EXPERIENCE BAND 1957-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	77,967,119	66,642	0.0009	0.9991	100.00
0.5	77,474,079	141,490	0.0018	0.9982	99.91
1.5	77,002,255	155,625	0.0020	0.9980	99.73
2.5	76,569,966	176,903	0.0023	0.9977	99.53
3.5	76,088,312	193,715	0.0025	0.9975	99.30
4.5	75,645,313	211,807	0.0028	0.9972	99.05
5.5	75,433,506	207,009	0.0027	0.9973	98.77
6.5	75,226,497	220,185	0.0029	0.9971	98.50
7.5	75,006,312	229,187	0.0031	0.9969	98.21
8.5	74,250,140	227,726	0.0031	0.9969	97.91
9.5	73,019,403	216,353	0.0030	0.9970	97.61
10.5	71,636,310	211,777	0.0030	0.9970	97.32
11.5	70,368,403	218,703	0.0031	0.9969	97.03
12.5	69,060,713	241,185	0.0035	0.9965	96.73
13.5	67,410,601	229,071	0.0034	0.9966	96.39
14.5	65,193,108	234,594	0.0036	0.9964	96.06
15.5	62,543,305	226,702	0.0036	0.9964	95.71
16.5	59,066,539	223,382	0.0038	0.9962	95.37
17.5	57,235,651	208,437	0.0036	0.9964	95.01
18.5	55,700,318	227,868	0.0041	0.9959	94.67
19.5	55,004,032	194,633	0.0035	0.9965	94.28
20.5	52,938,607	210,039	0.0040	0.9960	93.95
21.5	46,248,487	181,438	0.0039	0.9961	93.57
22.5	39,972,189	171,808	0.0043	0.9957	93.21
23.5	33,199,136	163,418	0.0049	0.9951	92.81
24.5	29,146,616	125,813	0.0043	0.9957	92.36
25.5	22,150,227	109,282	0.0049	0.9951	91.96
26.5	17,723,753	70,325	0.0040	0.9960	91.51
27.5	10,143,243	53,072	0.0052	0.9948	91.14
28.5	8,022,832	50,496	0.0063	0.9937	90.67
29.5	6,000,990	58,733	0.0098	0.9902	90.10
30.5	4,664,709	26,823	0.0058	0.9942	89.22
31.5	3,418,263	19,912	0.0058	0.9942	88.70
32.5	2,532,821	19,516	0.0077	0.9923	88.19
33.5	1,991,295	16,718	0.0084	0.9916	87.51
34.5	1,335,645	9,771	0.0073	0.9927	86.77
35.5	786,954	6,782	0.0086	0.9914	86.14
36.5	561,719	4,531	0.0081	0.9919	85.40
37.5	365,325	6,551	0.0179	0.9821	84.71
38.5	286,167	4,102	0.0143	0.9857	83.19

GAZ METRO

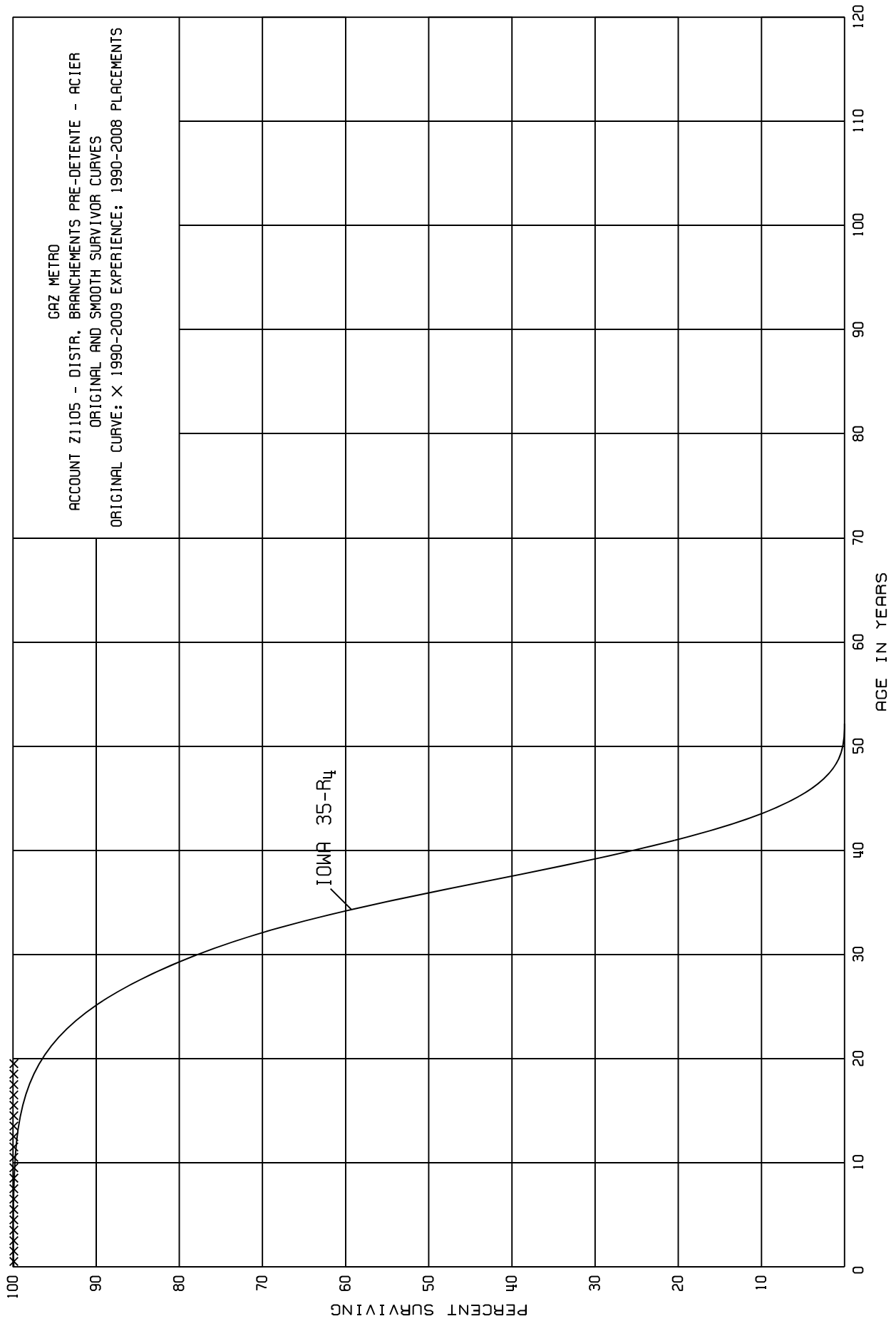
ACCOUNT Z1103 - DISTR. BRANCHEMENTS D'IMMEUBLES-PLAST INSERE  
DISTR. BRANCH (SERVICE) INSERT PLASTIC

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1957-2009

EXPERIENCE BAND 1957-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	260,008	2,883	0.0111	0.9889	82.00
40.5	204,779	3,166	0.0155	0.9845	81.09
41.5	186,632	2,277	0.0122	0.9878	79.83
42.5	160,387	2,691	0.0168	0.9832	78.86
43.5	140,320	5,213	0.0372	0.9628	77.54
44.5	121,862	1,073	0.0088	0.9912	74.66
45.5	107,065	2,973	0.0278	0.9722	74.00
46.5	85,870	613	0.0071	0.9929	71.94
47.5	72,621	449	0.0062	0.9938	71.43
48.5	65,133	530	0.0081	0.9919	70.99
49.5	55,461	490	0.0088	0.9912	70.41
50.5	48,673	1,270	0.0261	0.9739	69.79
51.5	45,790	154	0.0034	0.9966	67.97
52.5					67.74

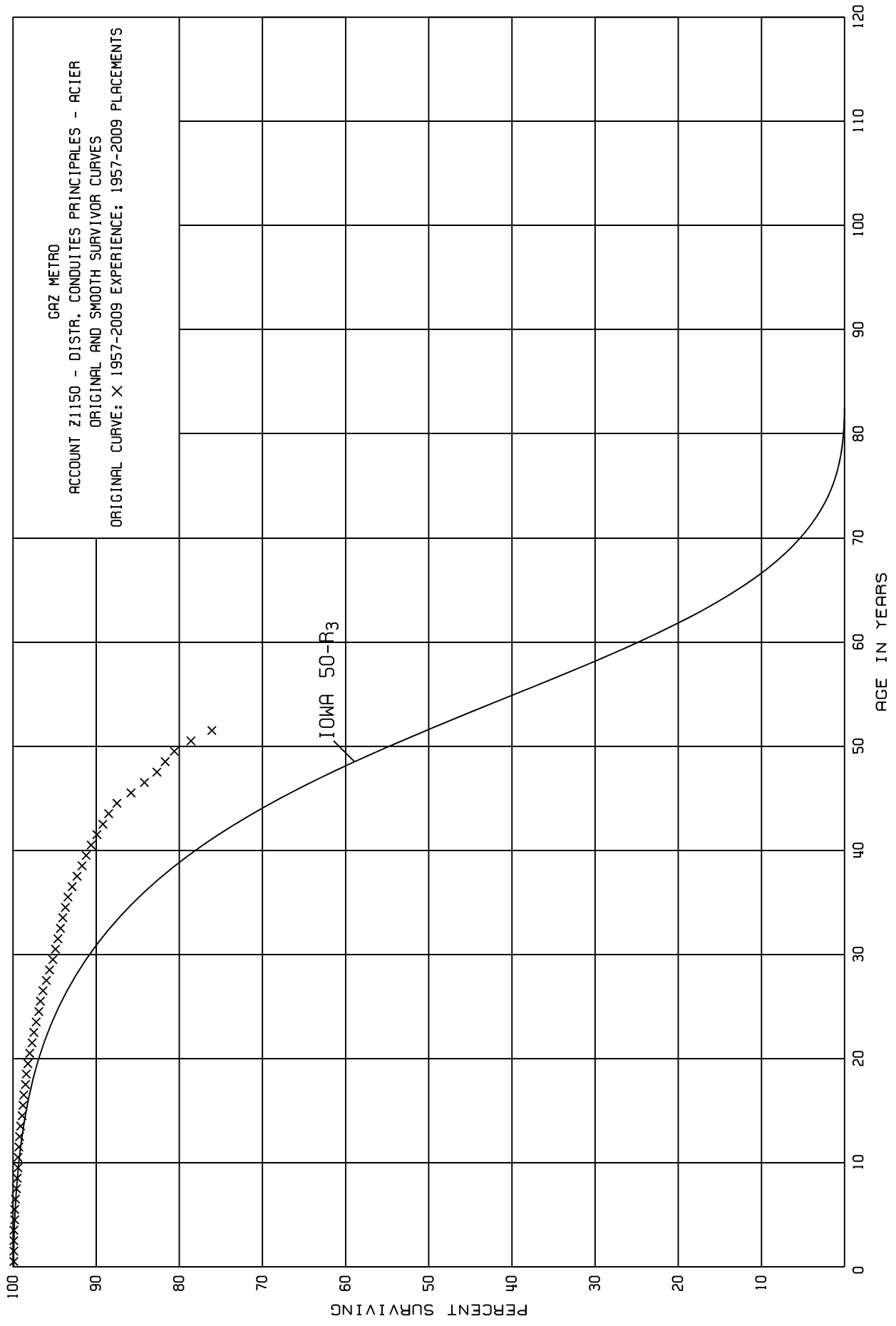


GAZ METRO

ACCOUNT Z1105 - DISTR. BRANCHEMENTS PRE-DETENTE - ACIER  
 DISTR. BRANCH (SERVICE) PRE-RELEASE STEEL

ORIGINAL LIFE TABLE

PLACEMENT BAND 1990-2008			EXPERIENCE BAND 1990-2009			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
0.0	445,861	1	0.0000	1.0000	100.00	
0.5	445,861	1-	0.0000	1.0000	100.00	
1.5	435,547		0.0000	1.0000	100.00	
2.5	425,033		0.0000	1.0000	100.00	
3.5	392,229		0.0000	1.0000	100.00	
4.5	235,388		0.0000	1.0000	100.00	
5.5	235,388		0.0000	1.0000	100.00	
6.5	235,388		0.0000	1.0000	100.00	
7.5	235,388		0.0000	1.0000	100.00	
8.5	235,388		0.0000	1.0000	100.00	
9.5	235,388		0.0000	1.0000	100.00	
10.5	235,388		0.0000	1.0000	100.00	
11.5	235,388		0.0000	1.0000	100.00	
12.5	235,388		0.0000	1.0000	100.00	
13.5	235,388		0.0000	1.0000	100.00	
14.5	235,388		0.0000	1.0000	100.00	
15.5	235,388		0.0000	1.0000	100.00	
16.5	231,957		0.0000	1.0000	100.00	
17.5	213,784		0.0000	1.0000	100.00	
18.5	32,066		0.0000	1.0000	100.00	
19.5					100.00	



GAZ METRO

ACCOUNT Z1150 - DISTR. CONDUITES PRINCIPALES - ACIER  
DISTR. MAIN PIPE STEEL

ORIGINAL LIFE TABLE

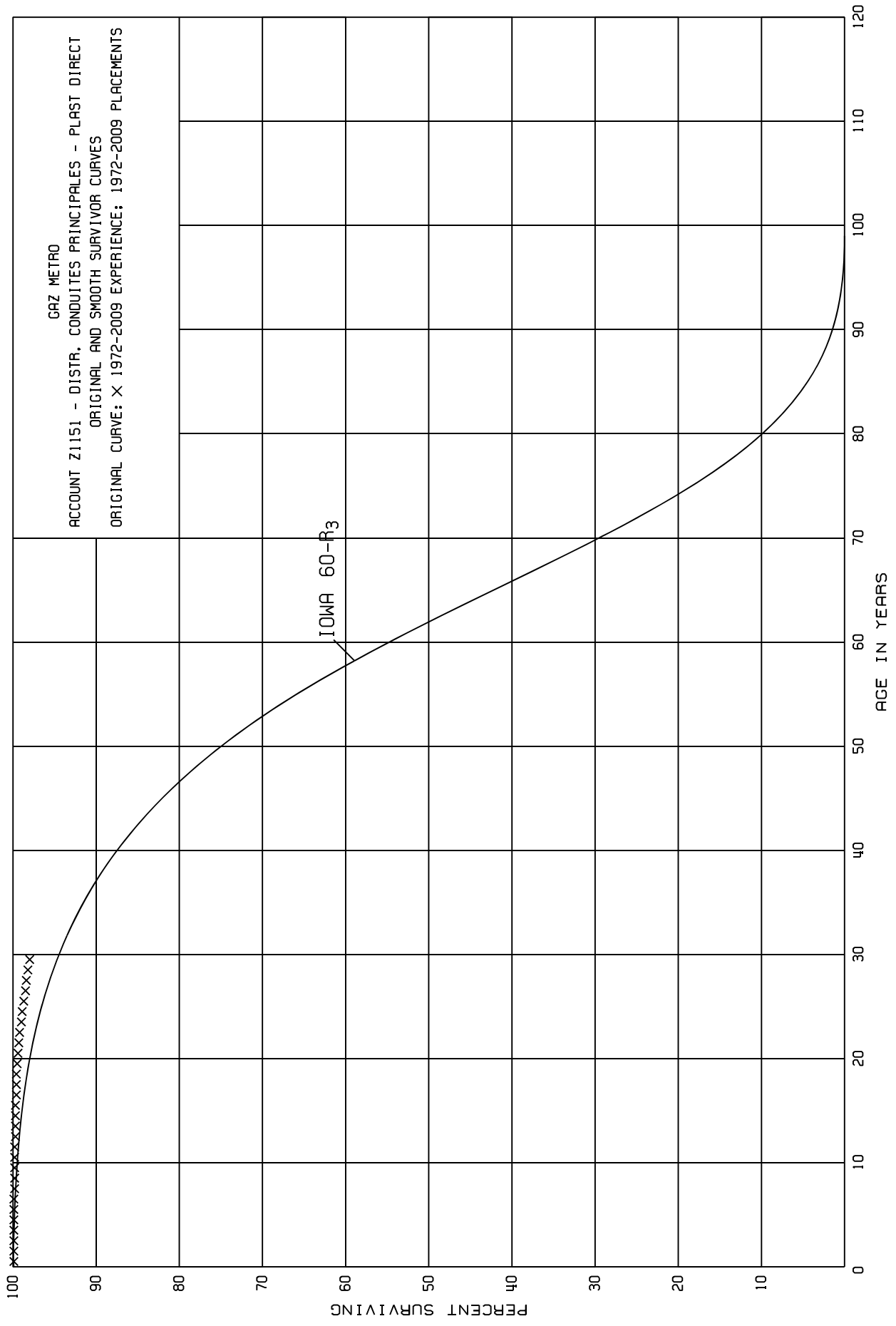
PLACEMENT BAND 1957-2009			EXPERIENCE BAND 1957-2009		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	630,267,885	86,430	0.0001	0.9999	100.00
0.5	622,779,466	173,006	0.0003	0.9997	99.99
1.5	619,711,434	196,622	0.0003	0.9997	99.96
2.5	615,665,557	254,760	0.0004	0.9996	99.93
3.5	608,267,087	319,891	0.0005	0.9995	99.89
4.5	605,657,125	358,381	0.0006	0.9994	99.84
5.5	603,512,986	393,734	0.0007	0.9993	99.78
6.5	598,637,522	478,211	0.0008	0.9992	99.71
7.5	595,316,493	543,382	0.0009	0.9991	99.63
8.5	574,800,633	588,643	0.0010	0.9990	99.54
9.5	561,550,327	529,305	0.0009	0.9991	99.44
10.5	553,647,177	575,698	0.0010	0.9990	99.35
11.5	541,989,732	495,614	0.0009	0.9991	99.25
12.5	530,214,002	560,934	0.0011	0.9989	99.16
13.5	480,384,038	580,190	0.0012	0.9988	99.05
14.5	405,841,878	530,699	0.0013	0.9987	98.93
15.5	399,673,205	549,152	0.0014	0.9986	98.80
16.5	383,026,588	510,629	0.0013	0.9987	98.66
17.5	374,410,782	549,623	0.0015	0.9985	98.53
18.5	352,899,035	600,711	0.0017	0.9983	98.38
19.5	343,586,865	795,867	0.0023	0.9977	98.21
20.5	315,781,221	796,198	0.0025	0.9975	97.98
21.5	311,045,378	869,349	0.0028	0.9972	97.74
22.5	296,017,269	787,263	0.0027	0.9973	97.47
23.5	283,728,352	791,140	0.0028	0.9972	97.21
24.5	249,613,201	673,979	0.0027	0.9973	96.94
25.5	197,273,281	579,025	0.0029	0.9971	96.68
26.5	157,779,286	662,083	0.0042	0.9958	96.40
27.5	114,138,793	480,918	0.0042	0.9958	96.00
28.5	99,173,492	424,630	0.0043	0.9957	95.60
29.5	90,993,227	294,035	0.0032	0.9968	95.19
30.5	83,749,189	270,705	0.0032	0.9968	94.89
31.5	78,822,527	251,703	0.0032	0.9968	94.59
32.5	72,585,420	189,621	0.0026	0.9974	94.29
33.5	68,791,935	231,584	0.0034	0.9966	94.04
34.5	60,430,146	229,621	0.0038	0.9962	93.72
35.5	54,248,666	274,601	0.0051	0.9949	93.36
36.5	51,030,129	311,502	0.0061	0.9939	92.88
37.5	47,028,613	320,993	0.0068	0.9932	92.31
38.5	44,166,048	242,447	0.0055	0.9945	91.68

GAZ METRO

ACCOUNT Z1150 - DISTR. CONDUITES PRINCIPALES - ACIER  
DISTR. MAIN PIPE STEEL

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1957-2009			EXPERIENCE BAND 1957-2009		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	41,082,661	262,632	0.0064	0.9936	91.18
40.5	35,631,592	292,018	0.0082	0.9918	90.60
41.5	25,801,500	197,101	0.0076	0.9924	89.86
42.5	21,186,321	160,702	0.0076	0.9924	89.18
43.5	18,657,997	201,954	0.0108	0.9892	88.50
44.5	15,968,712	316,095	0.0198	0.9802	87.54
45.5	12,987,362	250,924	0.0193	0.9807	85.81
46.5	11,300,329	196,924	0.0174	0.9826	84.15
47.5	10,153,427	120,934	0.0119	0.9881	82.69
48.5	6,925,029	97,493	0.0141	0.9859	81.71
49.5	3,653,463	89,583	0.0245	0.9755	80.56
50.5	390,892	12,371	0.0316	0.9684	78.59
51.5					76.11





GAZ METRO

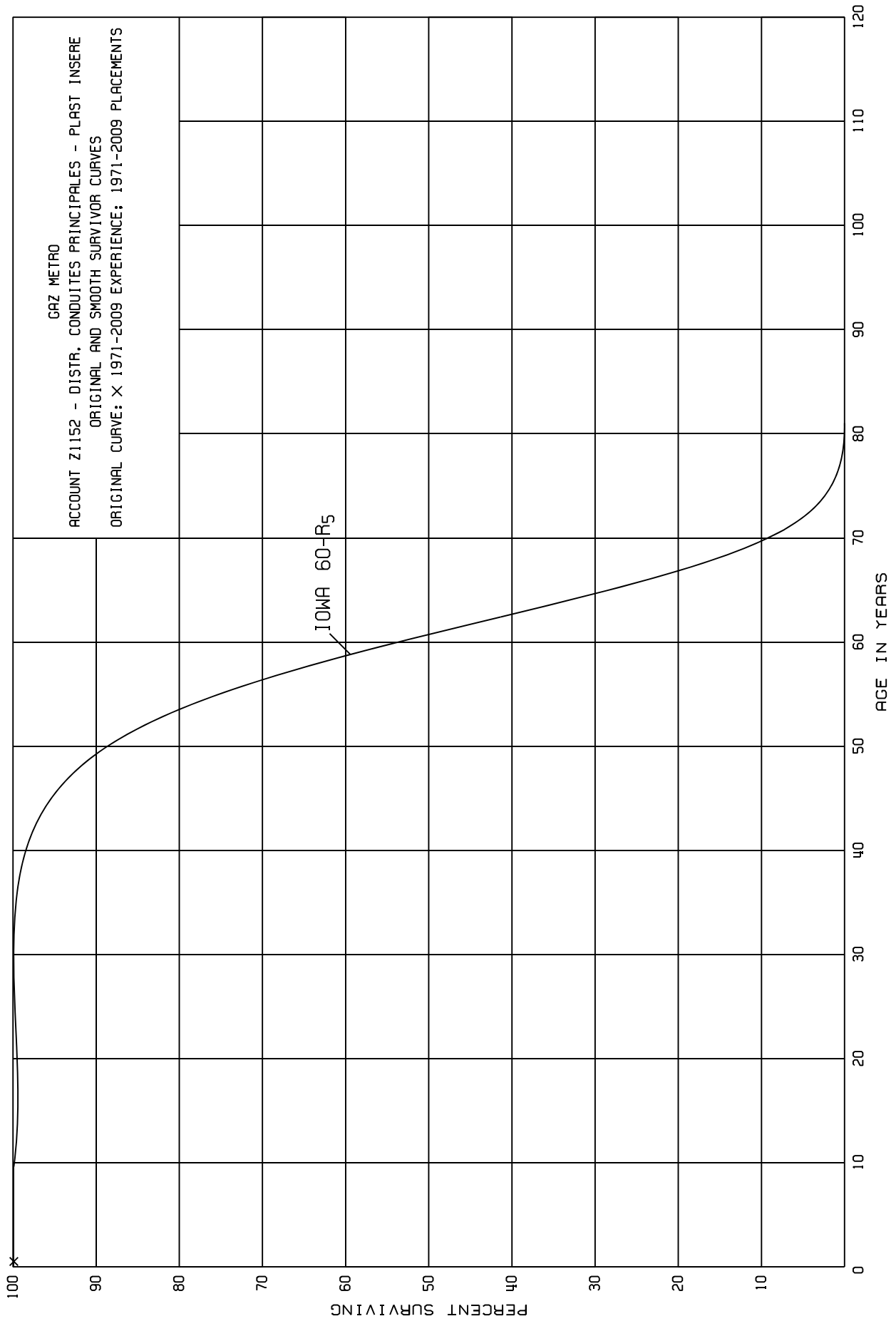
ACCOUNT Z1151 - DISTR. CONDUITES PRINCIPALES - PLAST DIRECT  
 DISTR. MAIN PIPE DIRECT PLASTIC

ORIGINAL LIFE TABLE

PLACEMENT BAND 1972-2009

EXPERIENCE BAND 1972-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	688,511,475	55,899	0.0001	0.9999	100.00
0.5	673,318,167	80,768	0.0001	0.9999	99.99
1.5	656,943,720	92,399	0.0001	0.9999	99.98
2.5	640,333,410	106,779	0.0002	0.9998	99.97
3.5	616,008,935	137,159	0.0002	0.9998	99.95
4.5	589,864,996	175,816	0.0003	0.9997	99.93
5.5	561,331,033	175,511	0.0003	0.9997	99.90
6.5	536,509,401	164,049	0.0003	0.9997	99.87
7.5	513,970,886	120,312	0.0002	0.9998	99.84
8.5	483,431,690	112,203	0.0002	0.9998	99.82
9.5	457,973,647	90,306	0.0002	0.9998	99.80
10.5	439,136,766	94,994	0.0002	0.9998	99.78
11.5	424,040,479	90,431	0.0002	0.9998	99.76
12.5	411,861,265	106,964	0.0003	0.9997	99.74
13.5	394,222,475	105,884	0.0003	0.9997	99.71
14.5	366,312,116	95,758	0.0003	0.9997	99.68
15.5	341,423,649	100,862	0.0003	0.9997	99.65
16.5	311,115,873	102,048	0.0003	0.9997	99.62
17.5	295,021,964	129,737	0.0004	0.9996	99.59
18.5	279,082,770	161,989	0.0006	0.9994	99.55
19.5	264,184,108	213,395	0.0008	0.9992	99.49
20.5	252,487,553	282,813	0.0011	0.9989	99.41
21.5	228,511,210	309,672	0.0014	0.9986	99.30
22.5	205,771,650	315,748	0.0015	0.9985	99.16
23.5	184,191,216	297,863	0.0016	0.9984	99.01
24.5	147,950,905	226,967	0.0015	0.9985	98.85
25.5	76,926,102	127,135	0.0017	0.9983	98.70
26.5	35,891,001	53,597	0.0015	0.9985	98.53
27.5	2,398,442	4,041	0.0017	0.9983	98.38
28.5	271,536	576	0.0021	0.9979	98.21
29.5					98.00



GAZ METRO

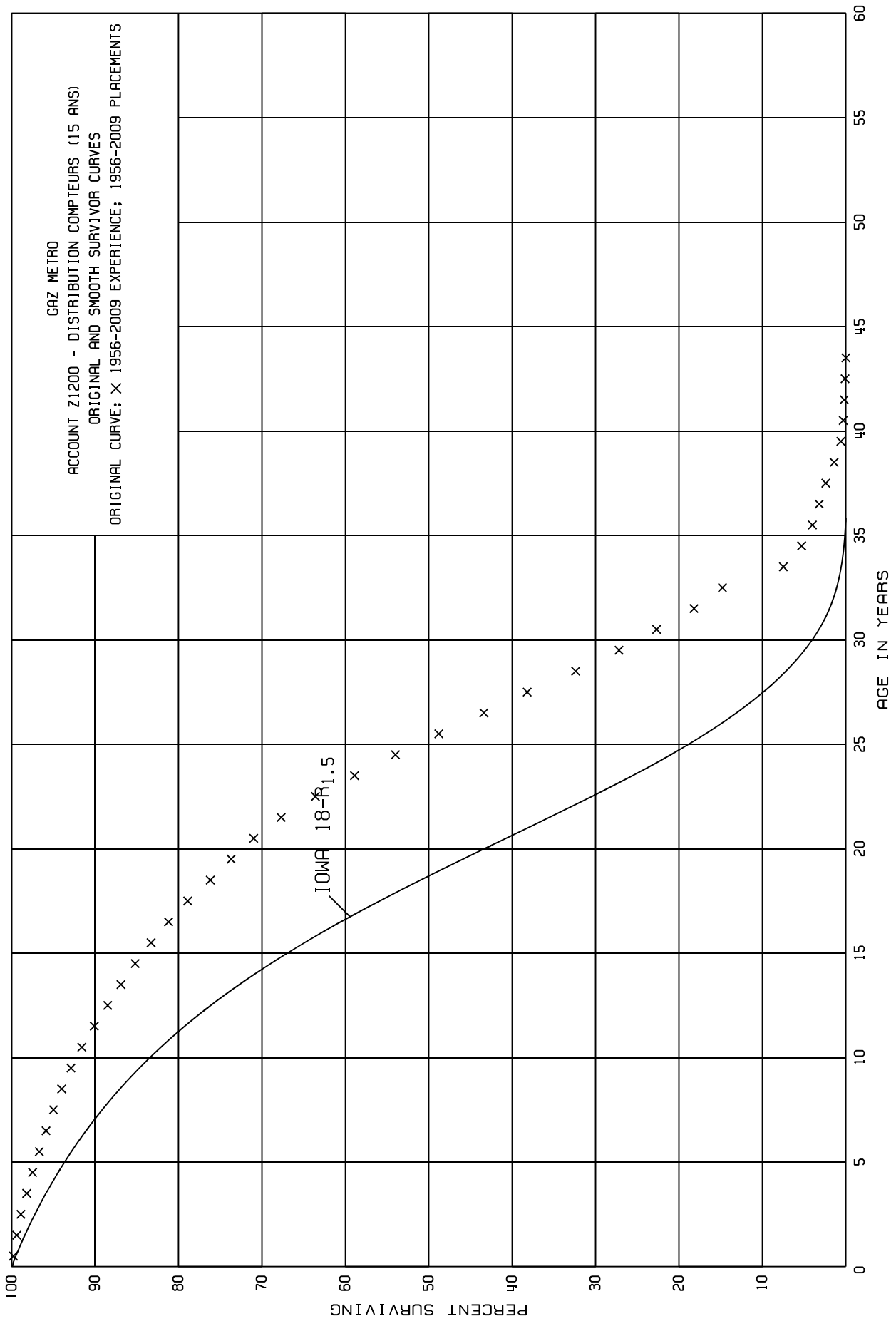
ACCOUNT Z1152 - DISTR. CONDUITES PRINCIPALES - PLAST INSERE  
 DISTR. MAIN PIPE PLASTIC INSERTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1971-2009

EXPERIENCE BAND 1971-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	64,814,596	97,288	0.0015	0.9985	100.00
0.5	64,748,000	60,517	0.0009	1.0009	99.85
1.5	64,808,517	20,038	0.0003		
2.5	64,788,479	21,852	0.0003		
3.5	64,766,627	17,104	0.0003		
4.5	64,749,523	14,596	0.0002		
5.5	64,734,927	20,466	0.0003		
6.5	64,714,461	14,343	0.0002		
7.5	64,656,816	13,529	0.0002		
8.5	63,854,679	12,914	0.0002		
9.5	62,249,927	10,945	0.0002		
10.5	61,154,344	6,489	0.0001		
11.5	59,653,493	5,698	0.0001		
12.5	57,578,962	5,380	0.0001		
13.5	54,928,433	6,936	0.0001		
14.5	51,822,255	5,557	0.0001		
15.5	49,222,618	3,552	0.0001		
16.5	46,634,447	737	0.0000		
17.5	45,035,370	103	0.0000		
18.5	43,961,889	13	0.0000		
19.5	43,278,686	902	0.0000		
20.5	40,967,914	411	0.0000		
21.5	35,442,911		0.0000		
22.5	30,497,083	8,004	0.0003		
23.5	25,731,562		0.0000		
24.5	21,118,541		0.0000		
25.5	18,199,139		0.0000		
26.5	16,110,843		0.0000		
27.5	11,384,145	9,478	0.0008		
28.5	10,011,056	4,325	0.0004		
29.5	8,294,125	4	0.0000		
30.5	7,127,301	719	0.0001		
31.5	5,895,692		0.0000		
32.5	4,679,591		0.0000		
33.5	3,539,427		0.0000		
34.5	2,483,905		0.0000		
35.5	1,092,461		0.0000		
36.5	161,389		0.0000		
37.5	1,164		0.0000		
38.5					



GAZ METRO

ACCOUNT Z1200 - DISTRIBUTION COMPTEURS (15 ANS)  
 DISTRIBUTION METER (15 YEARS)

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2009			EXPERIENCE BAND 1956-2009		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	185,176,571	331,224	0.0018	0.9982	100.00
0.5	175,456,411	781,763	0.0045	0.9955	99.82
1.5	165,053,426	862,730	0.0052	0.9948	99.37
2.5	155,510,848	985,547	0.0063	0.9937	98.85
3.5	143,908,866	1,130,147	0.0079	0.9921	98.23
4.5	135,909,491	1,091,765	0.0080	0.9920	97.45
5.5	128,502,374	1,009,132	0.0079	0.9921	96.67
6.5	122,168,412	1,113,378	0.0091	0.9909	95.91
7.5	116,281,398	1,237,700	0.0106	0.9894	95.04
8.5	110,393,076	1,376,206	0.0125	0.9875	94.03
9.5	103,207,297	1,448,336	0.0140	0.9860	92.85
10.5	95,115,249	1,468,592	0.0154	0.9846	91.55
11.5	90,187,136	1,605,847	0.0178	0.9822	90.14
12.5	85,708,943	1,555,247	0.0181	0.9819	88.54
13.5	80,415,039	1,606,963	0.0200	0.9800	86.94
14.5	75,589,643	1,680,879	0.0222	0.9778	85.20
15.5	69,145,488	1,754,162	0.0254	0.9746	83.31
16.5	63,887,639	1,838,002	0.0288	0.9712	81.19
17.5	59,834,930	1,982,296	0.0331	0.9669	78.85
18.5	54,602,535	1,796,695	0.0329	0.9671	76.24
19.5	48,142,249	1,764,517	0.0367	0.9633	73.73
20.5	44,456,152	2,071,453	0.0466	0.9534	71.02
21.5	40,491,734	2,482,535	0.0613	0.9387	67.71
22.5	36,709,564	2,699,031	0.0735	0.9265	63.56
23.5	29,664,184	2,480,530	0.0836	0.9164	58.89
24.5	23,916,991	2,285,967	0.0956	0.9044	53.97
25.5	18,831,849	2,070,724	0.1100	0.8900	48.81
26.5	13,933,186	1,686,724	0.1211	0.8789	43.44
27.5	10,372,978	1,566,792	0.1510	0.8490	38.18
28.5	7,596,092	1,220,408	0.1607	0.8393	32.41
29.5	5,103,648	850,913	0.1667	0.8333	27.20
30.5	3,611,748	708,806	0.1963	0.8037	22.67
31.5	2,648,575	495,276	0.1870	0.8130	18.22
32.5	1,929,719	950,181	0.4924	0.5076	14.81
33.5	938,175	279,043	0.2974	0.7026	7.52
34.5	519,457	124,097	0.2389	0.7611	5.28
35.5	325,231	63,106	0.1940	0.8060	4.02
36.5	262,125	65,006	0.2480	0.7520	3.24
37.5	197,119	85,707	0.4348	0.5652	2.44
38.5	111,412	67,095	0.6022	0.3978	1.38

GAZ METRO

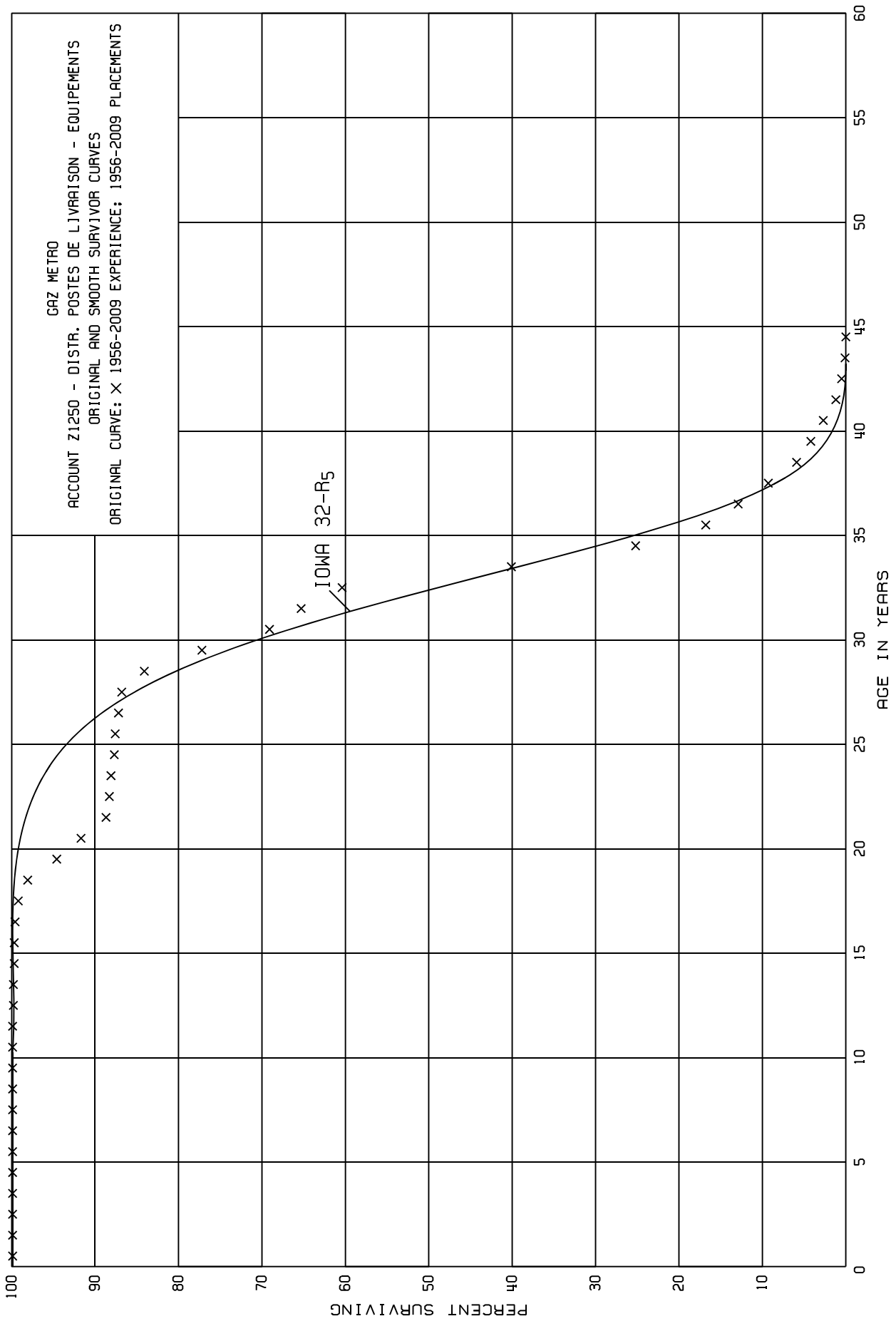
ACCOUNT Z1200 - DISTRIBUTION COMPTEURS (15 ANS)  
 DISTRIBUTION METER (15 YEARS)

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2009

EXPERIENCE BAND 1956-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	44,317	21,687	0.4894	0.5106	0.55
40.5	22,630	9,047	0.3998	0.6002	0.28
41.5	13,583	6,536	0.4812	0.5188	0.17
42.5	7,048	5,286	0.7500	0.2500	0.09
43.5	1,762	1,762	1.0000	0.0000	0.02
44.5					0.00



GAZ METRO

ACCOUNT Z1250 - DISTR. POSTES DE LIVRAISON - EQUIPEMENTS  
 DISTR. DELIVERY STATION - EQUIPEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2009			EXPERIENCE BAND 1956-2009		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	86,564,229		0.0000	1.0000	100.00
0.5	85,927,168		0.0000	1.0000	100.00
1.5	85,215,724	5	0.0000	1.0000	100.00
2.5	83,453,913	2,139	0.0000	1.0000	100.00
3.5	81,004,937	21,471	0.0003	0.9997	100.00
4.5	80,802,663	28,727	0.0004	0.9996	99.97
5.5	79,877,970	12,602	0.0002	0.9998	99.93
6.5	77,957,128	3,976	0.0001	0.9999	99.91
7.5	76,715,225	1,046	0.0000	1.0000	99.90
8.5	73,605,122	5,467	0.0001	0.9999	99.90
9.5	70,149,412	6,678	0.0001	0.9999	99.89
10.5	66,573,984	10,118	0.0002	0.9998	99.88
11.5	63,995,442	17,927	0.0003	0.9997	99.86
12.5	62,118,547	11,171	0.0002	0.9998	99.83
13.5	54,957,144	65,213	0.0012	0.9988	99.81
14.5	51,238,021	7,162	0.0001	0.9999	99.69
15.5	46,489,728	31,260	0.0007	0.9993	99.68
16.5	45,090,362	189,347	0.0042	0.9958	99.61
17.5	43,673,340	491,988	0.0113	0.9887	99.19
18.5	40,570,912	1,453,072	0.0358	0.9642	98.07
19.5	37,979,665	1,148,264	0.0302	0.9698	94.56
20.5	35,495,305	1,152,520	0.0325	0.9675	91.70
21.5	32,978,492	172,494	0.0052	0.9948	88.72
22.5	32,805,910	56,122	0.0017	0.9983	88.26
23.5	32,050,504	149,453	0.0047	0.9953	88.11
24.5	28,384,344	29,866	0.0011	0.9989	87.70
25.5	22,337,842	114,768	0.0051	0.9949	87.60
26.5	10,769,509	39,236	0.0036	0.9964	87.15
27.5	4,949,615	158,493	0.0320	0.9680	86.84
28.5	902,171	74,055	0.0821	0.9179	84.06
29.5	708,930	74,026	0.1044	0.8956	77.16
30.5	589,932	32,606	0.0553	0.9447	69.10
31.5	432,895	32,063	0.0741	0.9259	65.28
32.5	400,832	134,711	0.3361	0.6639	60.44
33.5	242,654	90,533	0.3731	0.6269	40.13
34.5	152,122	50,493	0.3319	0.6681	25.16
35.5	101,629	23,442	0.2307	0.7693	16.81
36.5	78,187	21,936	0.2806	0.7194	12.93
37.5	56,251	20,712	0.3682	0.6318	9.30
38.5	35,539	9,954	0.2801	0.7199	5.88



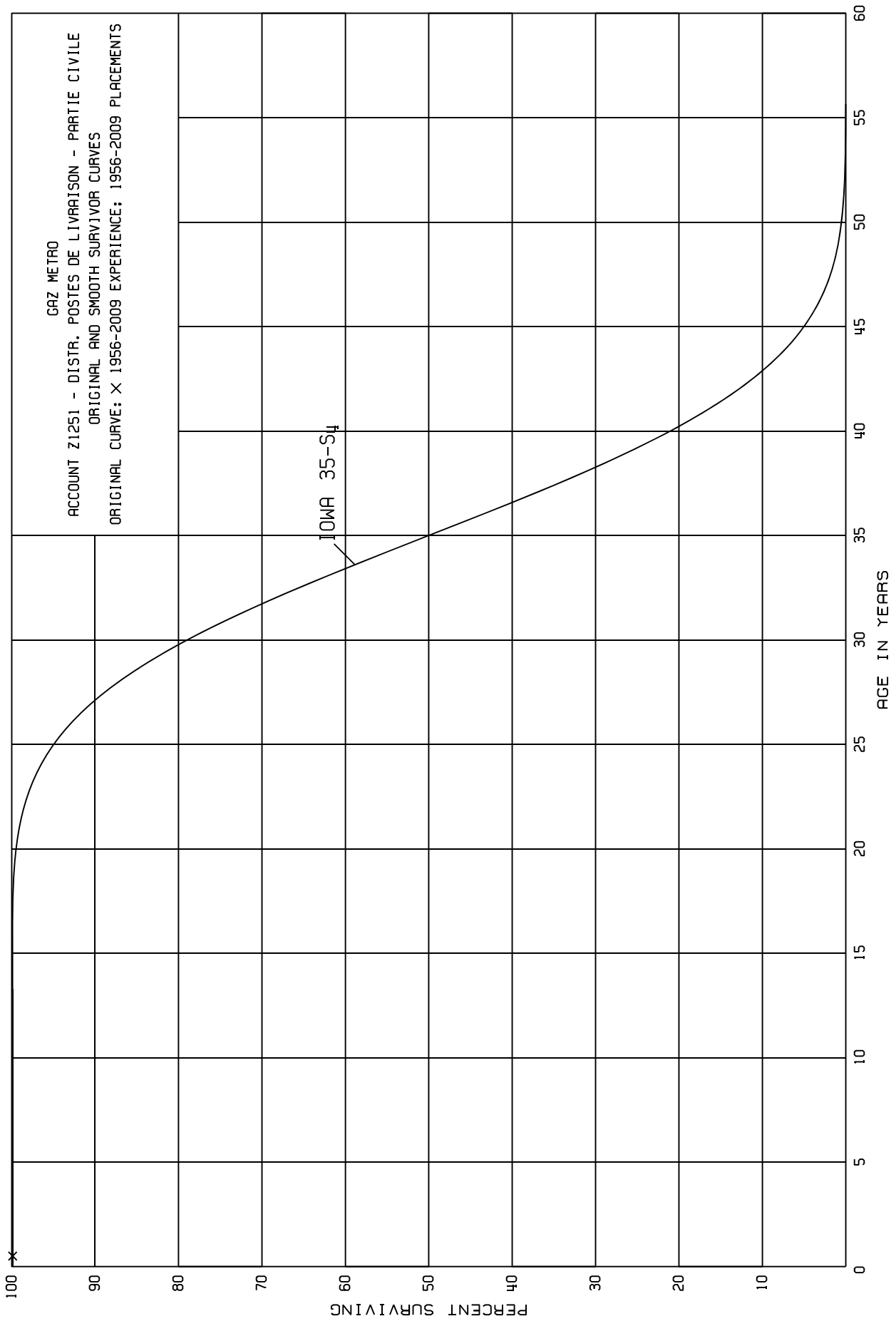
GAZ METRO

ACCOUNT Z1250 - DISTR. POSTES DE LIVRAISON - EQUIPEMENTS  
 DISTR. DELIVERY STATION - EQUIPEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2009                      EXPERIENCE BAND 1956-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	25,585	9,397	0.3673	0.6327	4.23
40.5	16,188	8,804	0.5439	0.4561	2.68
41.5	7,384	4,211	0.5703	0.4297	1.22
42.5	3,173	2,576	0.8118	0.1882	0.52
43.5	598	598	1.0000	0.0000	0.10
44.5					0.00



GAZ METRO

ACCOUNT Z1251 - DISTR. POSTES DE LIVRAISON - PARTIE CIVILE  
 DISTR. DELIVERY STATION - CIVIL BUILDING

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2009

EXPERIENCE BAND 1956-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	19,620,296	26,654	0.0014	0.9986	100.00
0.5	19,529,500	18,426	0.0009	1.0009	99.86
1.5	19,015,282	6,171	0.0003		
2.5	18,391,085		0.0000		
3.5	17,555,942		0.0000		
4.5	17,001,015		0.0000		
5.5	16,403,285	46	0.0000		
6.5	15,738,582	498	0.0000		
7.5	15,539,308	590	0.0000		
8.5	15,533,602	3,286	0.0002		
9.5	15,530,317	3,109	0.0002		
10.5	15,527,208	581	0.0000		
11.5	15,469,000	2,558	0.0002		
12.5	15,435,057	3,196	0.0002		
13.5	15,250,338	2,090	0.0001		
14.5	14,884,329	22,464	0.0015		
15.5	13,961,341	50,482	0.0036		
16.5	13,620,346	66,290	0.0049		
17.5	13,246,138	21,737	0.0016		
18.5	12,574,687	23,187	0.0018		
19.5	11,823,544	31,999	0.0027		
20.5	11,381,716	31,061	0.0027		
21.5	9,171,454	36,446	0.0040		
22.5	9,106,267	62,461	0.0069		
23.5	8,648,102	105,721	0.0122		
24.5	6,842,494	120,013	0.0175		
25.5	3,232,492	73,930	0.0229		
26.5	435,409	11,661	0.0268		
27.5	242,060	3,254	0.0134		
28.5	237,970	13,494	0.0567		
29.5	211,941	14,076	0.0664		
30.5	197,865	24,940	0.1260		
31.5	172,925	17,062	0.0987		
32.5	155,863	16,743	0.1074		
33.5	139,120	17,657	0.1269		
34.5	121,463	8,490	0.0699		
35.5	112,973	12,549	0.1111		
36.5	100,425	10,289	0.1025		
37.5	90,136	10,757	0.1193		
38.5	79,335	12,441	0.1568		

GAZ METRO

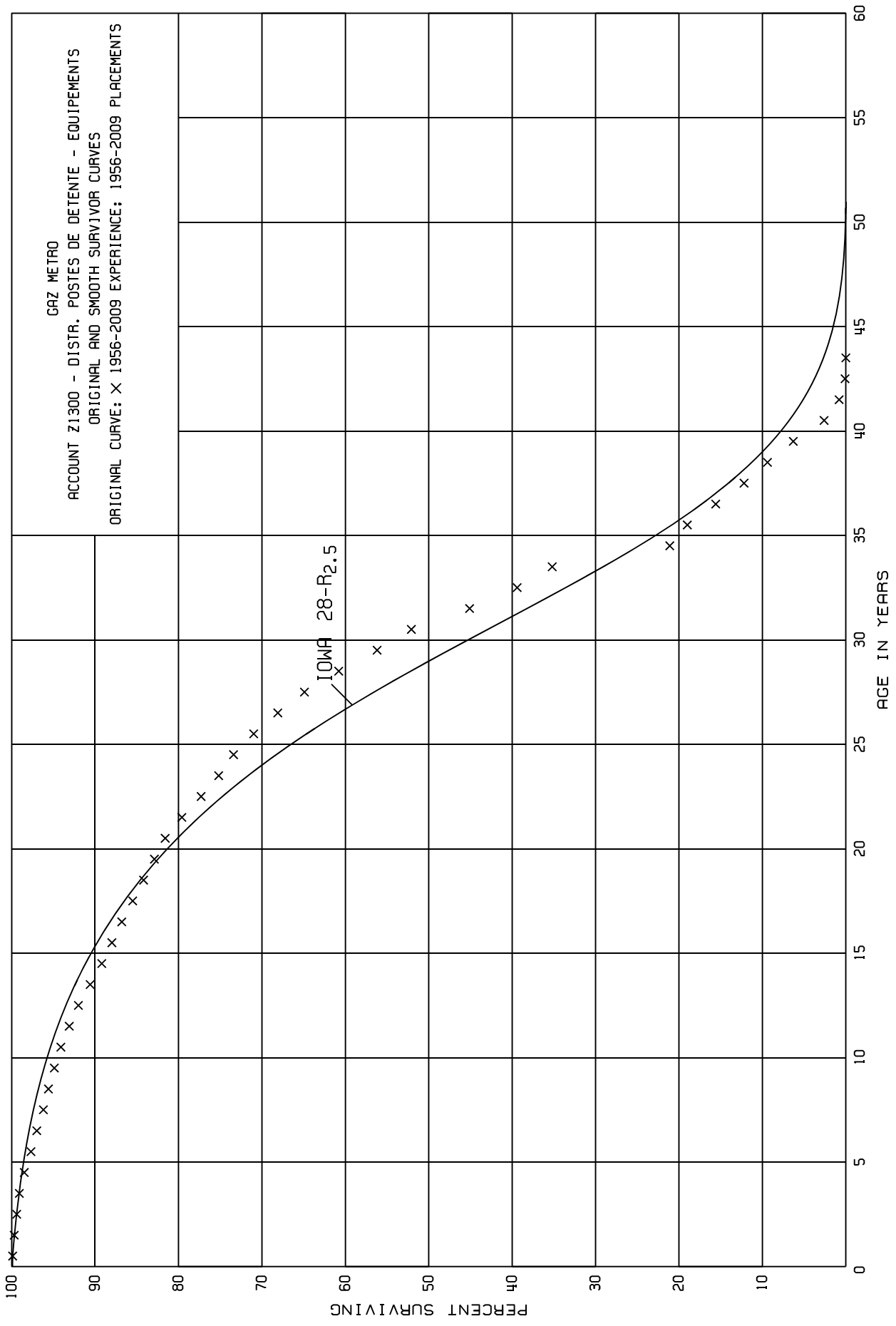
ACCOUNT Z1251 - DISTR. POSTES DE LIVRAISON - PARTIE CIVILE  
 DISTR. DELIVERY STATION - CIVIL BUILDING

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2009

EXPERIENCE BAND 1956-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,894	15,292	0.2286		
40.5	39,162	12,263	0.3131		
41.5	26,868	11,377	0.4234		
42.5	15,491	3,790	0.2447		
43.5	11,701	5,678	0.4853		
44.5	6,023	1,006	0.1670		
45.5	5,017	813	0.1620		
46.5	3,472	748	0.2154		
47.5	2,241	464	0.2071		
48.5	1,452	512	0.3526		
49.5	496	107	0.2157		
50.5					



GAZ METRO

ACCOUNT Z1300 - DISTR. POSTES DE DETENTE - EQUIPEMENTS  
 DISTR. RELEASE STATION - EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1956-2009			EXPERIENCE BAND 1956-2009		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	43,130,756	38,629	0.0009	0.9991	100.00
0.5	42,779,131	93,550	0.0022	0.9978	99.91
1.5	42,534,334	121,346	0.0029	0.9971	99.69
2.5	41,892,629	143,262	0.0034	0.9966	99.40
3.5	41,123,446	255,042	0.0062	0.9938	99.06
4.5	40,180,805	288,094	0.0072	0.9928	98.45
5.5	38,934,544	309,140	0.0079	0.9921	97.74
6.5	37,029,079	294,204	0.0079	0.9921	96.97
7.5	35,428,737	230,932	0.0065	0.9935	96.20
8.5	33,960,076	240,551	0.0071	0.9929	95.57
9.5	32,961,273	286,061	0.0087	0.9913	94.89
10.5	31,787,068	315,113	0.0099	0.9901	94.06
11.5	30,758,062	387,270	0.0126	0.9874	93.13
12.5	29,976,645	434,565	0.0145	0.9855	91.96
13.5	28,411,582	450,125	0.0158	0.9842	90.63
14.5	26,759,586	358,412	0.0134	0.9866	89.20
15.5	26,021,826	350,119	0.0135	0.9865	88.00
16.5	24,662,436	372,779	0.0151	0.9849	86.81
17.5	23,083,954	341,783	0.0148	0.9852	85.50
18.5	22,058,844	342,937	0.0155	0.9845	84.23
19.5	20,872,813	327,351	0.0157	0.9843	82.92
20.5	19,517,054	491,762	0.0252	0.9748	81.62
21.5	17,312,022	484,567	0.0280	0.9720	79.56
22.5	16,476,116	454,561	0.0276	0.9724	77.33
23.5	14,747,261	362,432	0.0246	0.9754	75.20
24.5	12,561,328	397,723	0.0317	0.9683	73.35
25.5	8,491,359	346,061	0.0408	0.9592	71.02
26.5	4,681,525	223,000	0.0476	0.9524	68.12
27.5	3,527,243	220,384	0.0625	0.9375	64.88
28.5	2,921,572	222,781	0.0763	0.9237	60.83
29.5	2,322,558	169,627	0.0730	0.9270	56.19
30.5	1,771,068	237,712	0.1342	0.8658	52.09
31.5	1,385,546	175,102	0.1264	0.8736	45.10
32.5	899,348	96,196	0.1070	0.8930	39.40
33.5	690,598	277,357	0.4016	0.5984	35.18
34.5	262,870	25,746	0.0979	0.9021	21.05
35.5	138,195	24,379	0.1764	0.8236	18.99
36.5	77,968	17,295	0.2218	0.7782	15.64
37.5	49,644	11,168	0.2250	0.7750	12.17
38.5	38,477	12,867	0.3344	0.6656	9.43

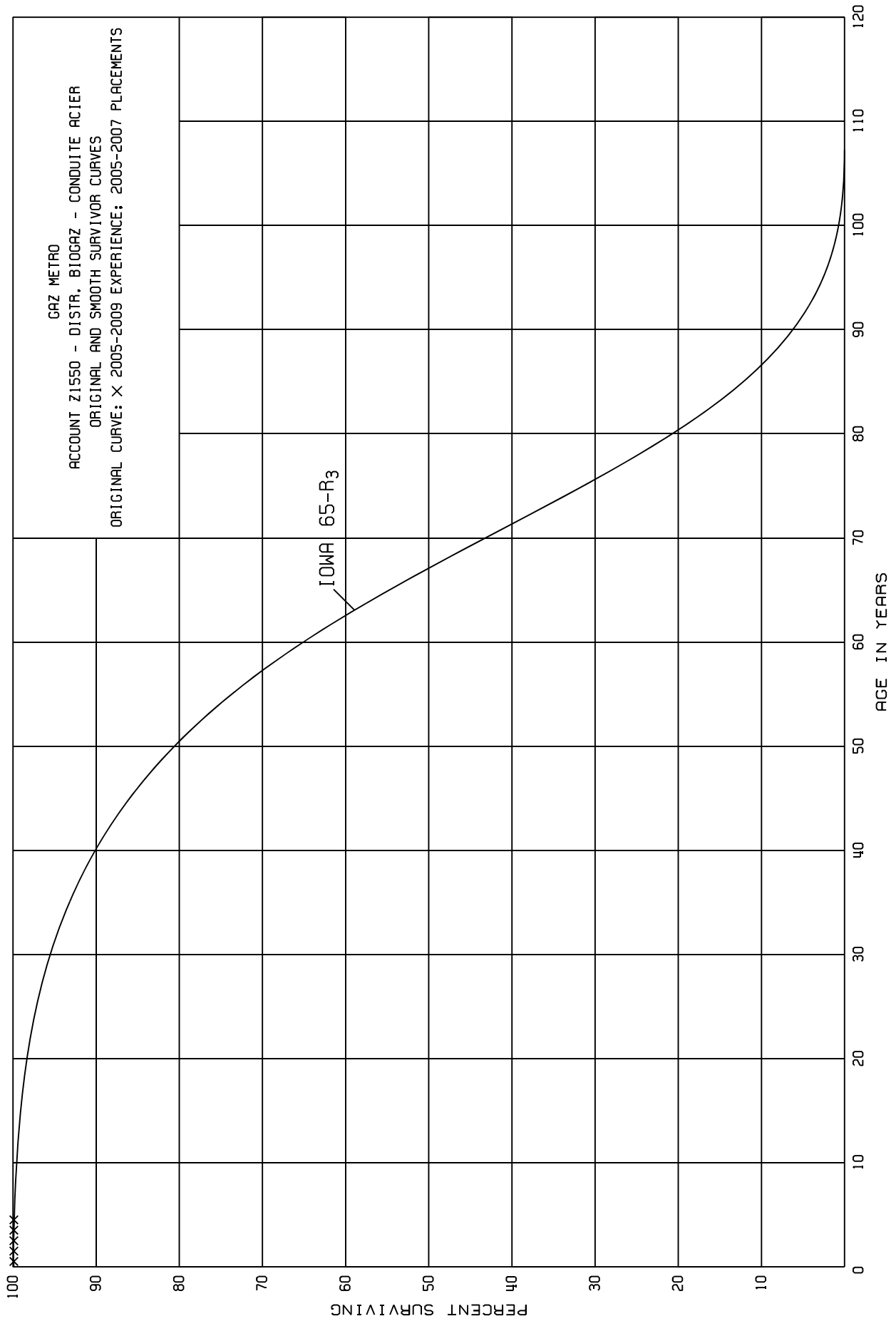
GAZ METRO

ACCOUNT Z1300 - DISTR. POSTES DE DETENTE - EQUIPEMENTS  
 DISTR. RELEASE STATION - EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1956-2009                      EXPERIENCE BAND 1956-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	25,610	15,027	0.5868	0.4132	6.28
40.5	10,583	7,468	0.7057	0.2943	2.59
41.5	3,115	2,797	0.8979	0.1021	0.76
42.5	317	317	1.0000	0.0000	0.08
43.5					0.00





GAZ METRO

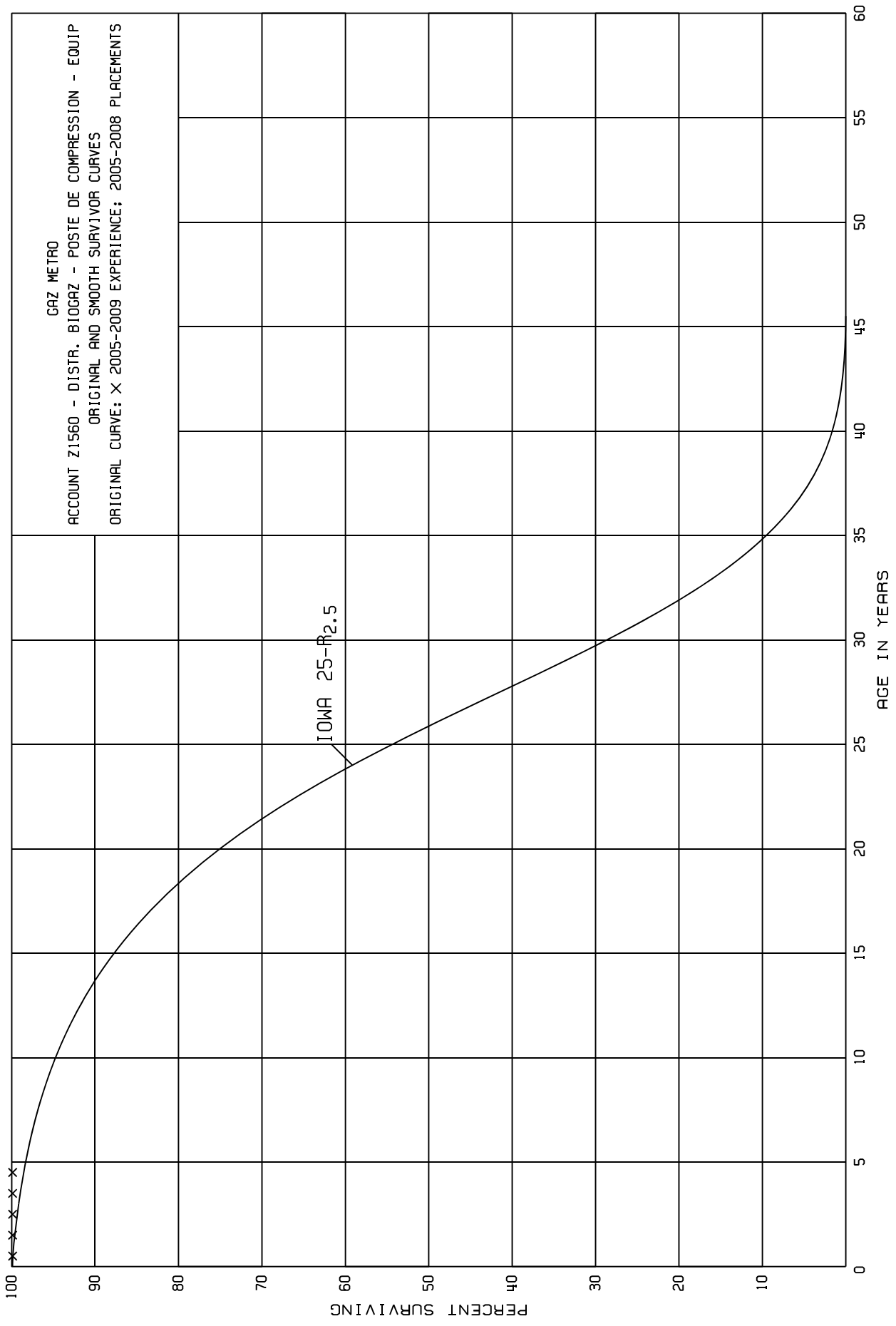
ACCOUNT Z1550 - DISTR. BIOGAZ - CONDUITE ACIER  
 DISTR. BIOGAZ - MAIN PIPE STEEL

ORIGINAL LIFE TABLE

PLACEMENT BAND 2005-2007

EXPERIENCE BAND 2005-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	1,972,475		0.0000	1.0000	100.00
0.5	1,972,475		0.0000	1.0000	100.00
1.5	1,972,475		0.0000	1.0000	100.00
2.5	1,958,909		0.0000	1.0000	100.00
3.5	1,894,960		0.0000	1.0000	100.00
4.5					100.00



GAZ METRO

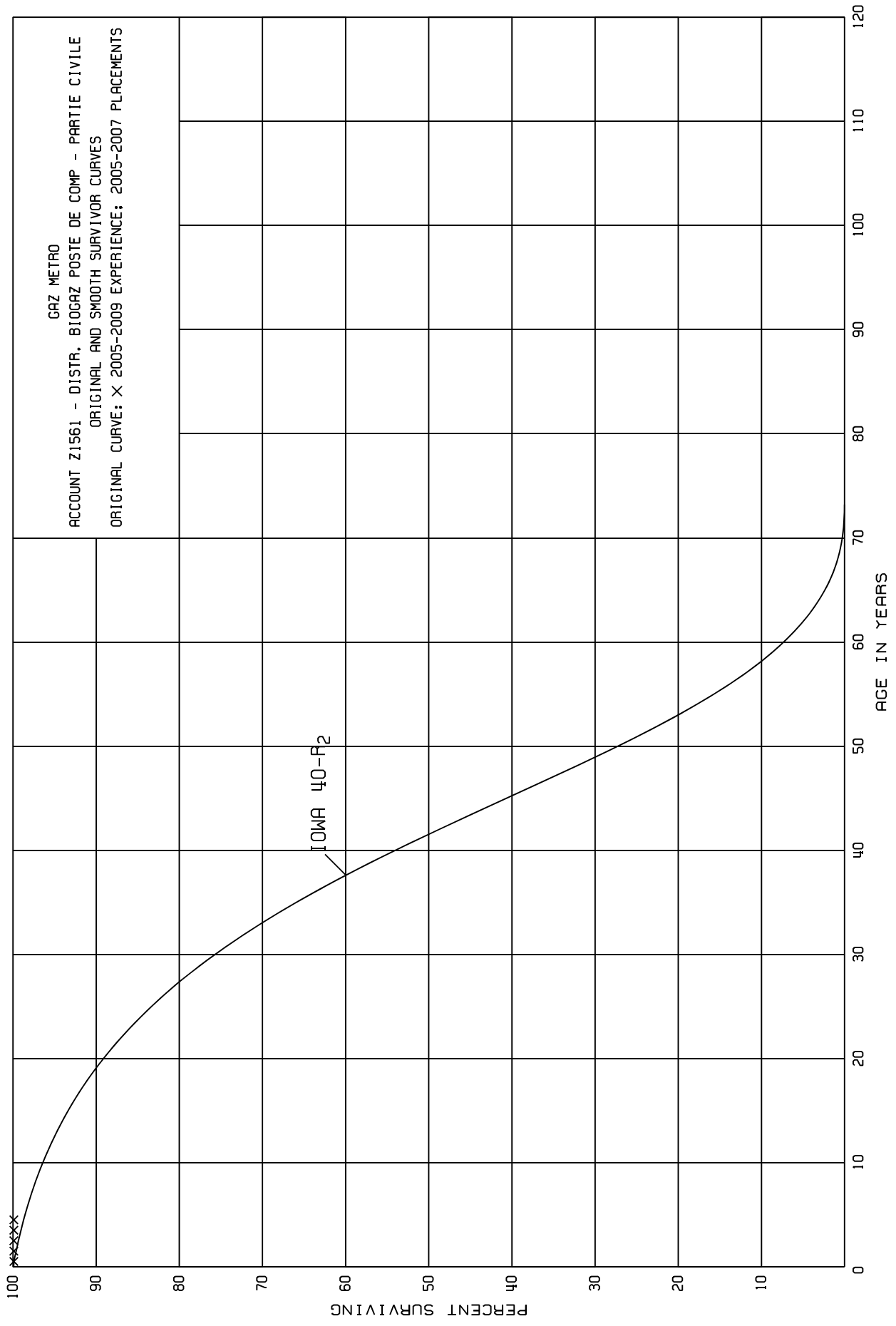
ACCOUNT Z1560 - DISTR. BIOGAZ - POSTE DE COMPRESSION - EQUIP  
 DISTR. BIOGAZ - COMPRESSION STATION - EQUIP

ORIGINAL LIFE TABLE

PLACEMENT BAND 2005-2008

EXPERIENCE BAND 2005-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	3,978,795		0.0000	1.0000	100.00
0.5	3,978,795		0.0000	1.0000	100.00
1.5	3,949,676		0.0000	1.0000	100.00
2.5	3,836,712		0.0000	1.0000	100.00
3.5	3,437,254		0.0000	1.0000	100.00
4.5					100.00



GAZ METRO

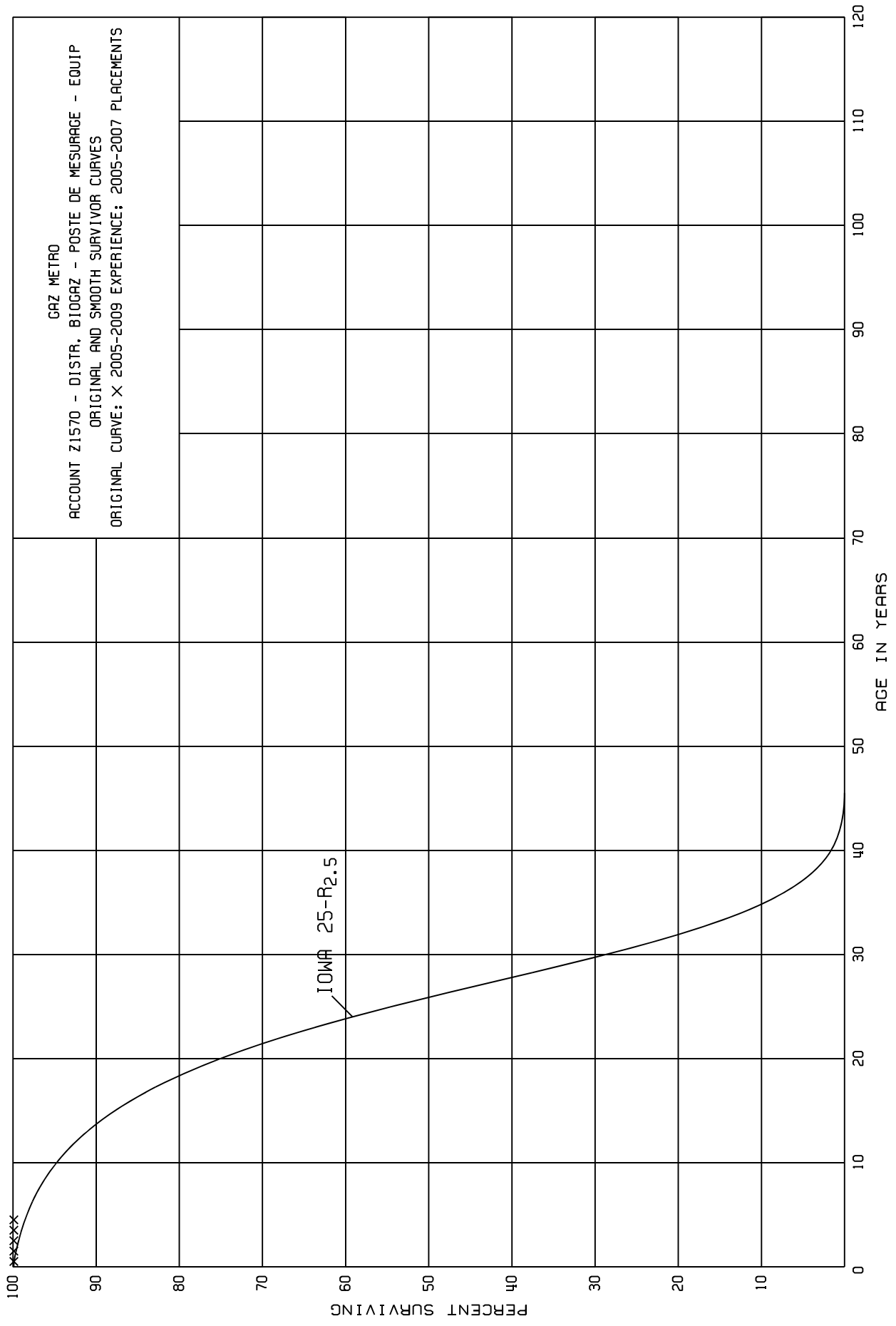
ACCOUNT Z1561 - DISTR. BIOGAZ POSTE DE COMP - PARTIE CIVILE  
 DISTR. BIOGAZ COMPRESSION STAT. BUILDING

ORIGINAL LIFE TABLE

PLACEMENT BAND 2005-2007

EXPERIENCE BAND 2005-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	1,746,828		0.0000	1.0000	100.00
0.5	1,746,828		0.0000	1.0000	100.00
1.5	1,746,828		0.0000	1.0000	100.00
2.5	1,746,426		0.0000	1.0000	100.00
3.5	1,726,390		0.0000	1.0000	100.00
4.5					100.00



GAZ METRO

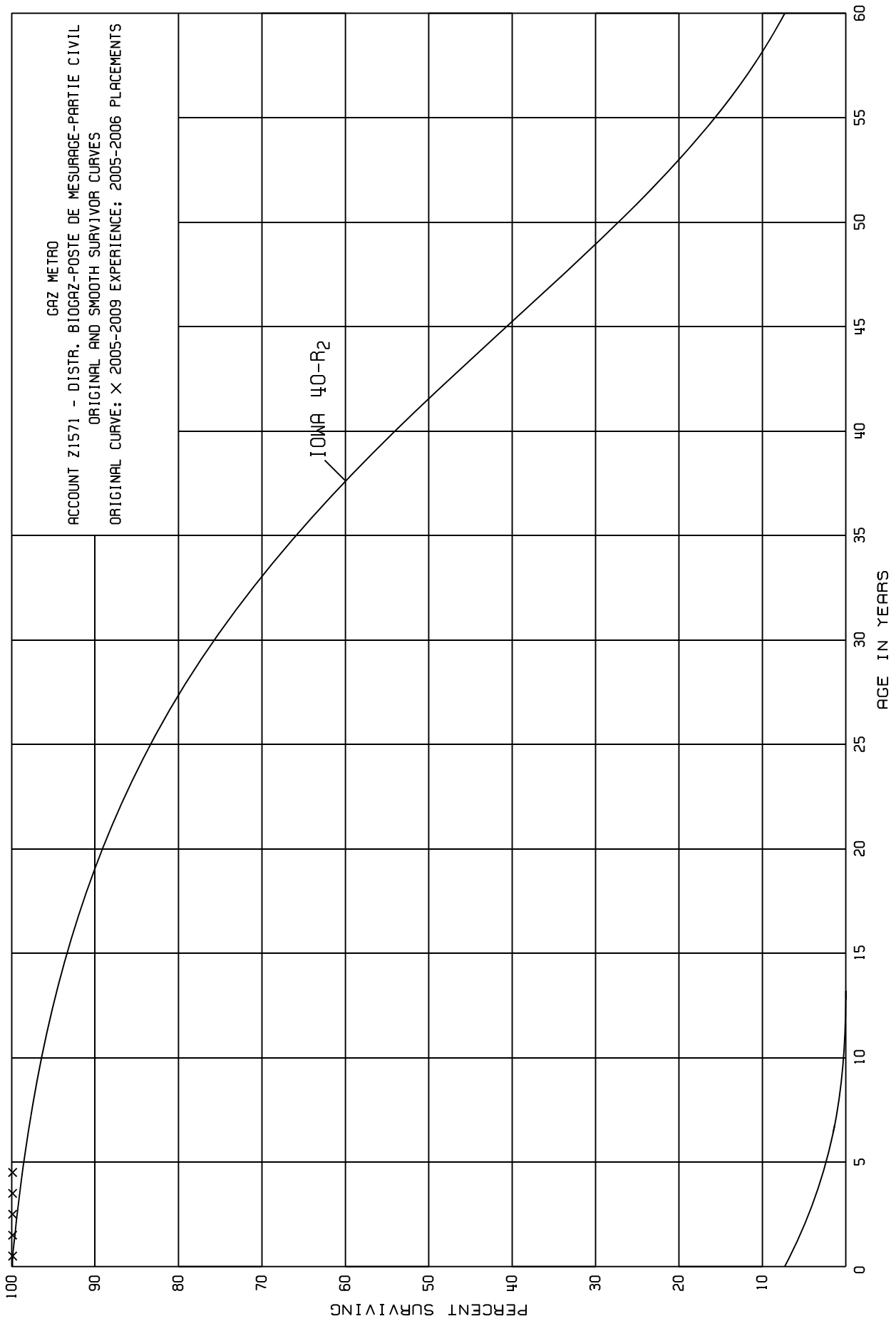
ACCOUNT Z1570 - DISTR. BIOGAZ - POSTE DE MESURAGE - EQUIP  
 DISTR. BIOGAZ - METER STATION - EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 2005-2007

EXPERIENCE BAND 2005-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	294,902		0.0000	1.0000	100.00
0.5	294,902		0.0000	1.0000	100.00
1.5	294,902		0.0000	1.0000	100.00
2.5	22,220		0.0000	1.0000	100.00
3.5	6,726		0.0000	1.0000	100.00
4.5					100.00





GAZ METRO

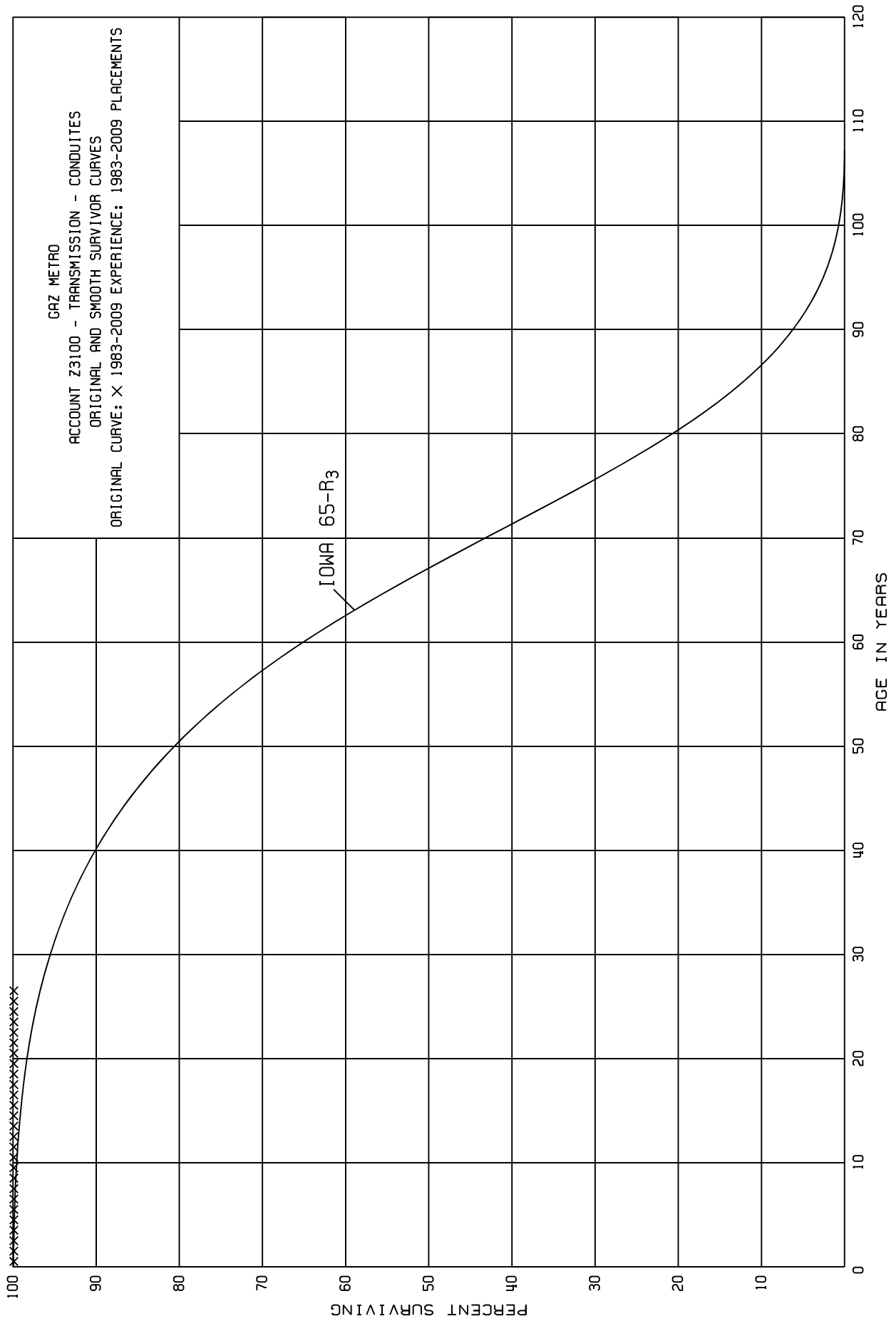
ACCOUNT Z1571 - DISTR. BIOGAZ-POSTE DE MESURAGE-PARTIE CIVIL  
 DISTR. BIOGAZ - METER STATION - BUILDING

ORIGINAL LIFE TABLE

PLACEMENT BAND 2005-2006

EXPERIENCE BAND 2005-2009

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	170,125		0.0000	1.0000	100.00
0.5	170,125		0.0000	1.0000	100.00
1.5	170,125		0.0000	1.0000	100.00
2.5	170,125		0.0000	1.0000	100.00
3.5	164,960		0.0000	1.0000	100.00
4.5					100.00



GAZ METRO

ACCOUNT Z3100 - TRANSMISSION - CONDUITES  
TRANSMISSION - MAIN PIPE

ORIGINAL LIFE TABLE

PLACEMENT BAND 1983-2009			EXPERIENCE BAND 1983-2009			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
0.0	281,657,438	11	0.0000	1.0000	100.00	
0.5	281,656,877	9	0.0000	1.0000	100.00	
1.5	281,399,466		0.0000	1.0000	100.00	
2.5	280,854,253		0.0000	1.0000	100.00	
3.5	280,763,956		0.0000	1.0000	100.00	
4.5	280,710,006	60	0.0000	1.0000	100.00	
5.5	280,709,946	270	0.0000	1.0000	100.00	
6.5	280,629,233	13,996	0.0000	1.0000	100.00	
7.5	279,659,123	153	0.0000	1.0000	100.00	
8.5	278,824,275	10	0.0000	1.0000	100.00	
9.5	278,818,593	185,214	0.0007	0.9993	100.00	
10.5	278,611,899	132,023	0.0005	0.9995	99.93	
11.5	278,479,876		0.0000	1.0000	99.88	
12.5	278,478,994	17	0.0000	1.0000	99.88	
13.5	278,478,977	61	0.0000	1.0000	99.88	
14.5	278,478,916	2,539	0.0000	1.0000	99.88	
15.5	278,000,587	20	0.0000	1.0000	99.88	
16.5	277,968,649	1	0.0000	1.0000	99.88	
17.5	277,968,648	18,359	0.0001	0.9999	99.88	
18.5	277,948,897	10,975	0.0000	1.0000	99.87	
19.5	277,937,922		0.0000	1.0000	99.87	
20.5	277,650,364		0.0000	1.0000	99.87	
21.5	276,760,059		0.0000	1.0000	99.87	
22.5	244,389,280		0.0000	1.0000	99.87	
23.5	244,160,445		0.0000	1.0000	99.87	
24.5	244,149,693		0.0000	1.0000	99.87	
25.5	84,324,224		0.0000	1.0000	99.87	
26.5					99.87	

PART V. NET SALVAGE STATISTICS

GAZ METRO

ACCOUNT Z1100 - DISTR. BRANCHEMENTS D'IMMEUBLES-ACIER  
DISTRIBUTION SERVITUDE (EASEMENT)

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2002	509,680	83,131	16	0	83,131-	16-	
2003	843,820	24,107	3	0	24,107-	3-	
2004	338,058	131,961	39	0	131,961-	39-	
2005	86,731	100,186	116	0	100,186-	116-	
2006	1,111,263	46,494	4	0	46,494-	4-	
2007	1,459,098	106,314	7	0	106,314-	7-	
2008	812,500	177,921	22	0	177,921-	22-	
2009	1,180,994	87,153	7	0	87,153-	7-	
TOTAL	6,342,144	757,267	12	0	757,267-	12-	

THREE-YEAR MOVING AVERAGES

02-04	563,853	79,733	14	0	79,733-	14-	
03-05	422,870	85,418	20	0	85,418-	20-	
04-06	512,017	92,880	18	0	92,880-	18-	
05-07	885,698	84,331	10	0	84,331-	10-	
06-08	1,127,620	110,243	10	0	110,243-	10-	
07-09	1,150,864	123,796	11	0	123,796-	11-	

FIVE-YEAR AVERAGE

05-09	930,117	103,614	11	0	103,614-	11-	
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GAZ METRO

ACCOUNT Z1102 - DISTR. BRANCHEMENTS D'IMMEUBLES-PLAST DIRECT  
 DISTR. BRANCH (SERVICE) DIRECT PLASTIC

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2002	2,248,686	647,476	29	0	647,476-	29-	
2003	1,713,413	735,749	43	0	735,749-	43-	
2004	1,315,043	632,093	48	0	632,093-	48-	
2005	480,611	934,902	195	0	934,902-	195-	
2006	1,134,886	1,222,860	108	0	1,222,860-	108-	
2007	2,024,687	972,614	48	0	972,614-	48-	
2008	1,990,816	1,042,679	52	0	1,042,679-	52-	
2009	635,841	1,494,356	235	0	1,494,356-	235-	
TOTAL	11,543,983	7,682,729	67	0	7,682,729-	67-	

THREE-YEAR MOVING AVERAGES

02-04	1,759,047	671,773	38	0	671,773-	38-	
03-05	1,169,689	767,581	66	0	767,581-	66-	
04-06	976,847	929,952	95	0	929,952-	95-	
05-07	1,213,395	1,043,459	86	0	1,043,459-	86-	
06-08	1,716,796	1,079,384	63	0	1,079,384-	63-	
07-09	1,550,448	1,169,883	75	0	1,169,883-	75-	

FIVE-YEAR AVERAGE

05-09	1,253,368	1,133,482	90	0	1,133,482-	90-	
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GAZ METRO

ACCOUNT Z1104 - DISTR. BRANCHEMENTS PRE-DETENTE-PLAST DIRECT  
 DISTR. BRANCH (SERVICE) PRE-RELEASE PLASTIC

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT PCT
2003		21,232		21,232-
2004		1,561-		1,561
2005				
2006				
2007		86		86-
2008				
2009				
TOTAL		19,757		19,757-

THREE-YEAR MOVING AVERAGES

03-05		6,557		6,557-
04-06		520-		520
05-07		29		29-
06-08		29		29-
07-09		29		29-

FIVE-YEAR AVERAGE

05-09		17		17-
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GAZ METRO

ACCOUNT Z1105 - DISTR. BRANCHEMENTS PRE-DETENTE - ACIER  
 DISTR. BRANCH (SERVICE) PRE-RELEASE STEEL

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT PCT
2006		45,848		45,848-
2007		231		231-
2008		20,491		20,491-
2009		125,167		125,167-
TOTAL		191,737		191,737-

THREE-YEAR MOVING AVERAGES

06-08		22,190		22,190-
07-09		48,630		48,630-

FIVE-YEAR AVERAGE

05-09		38,347		38,347-
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GAZ METRO

ACCOUNT Z1150 - DISTR. CONDUITES PRINCIPALES - ACIER  
 DISTR. MAIN PIPE STEEL

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2002	32,107	30,489	95	0	30,489-	95-	
2003	128,798	8,049	6	0	8,049-	6-	
2004	1,357,165	4,411	0	0	4,411-	0	
2005	1,813,172	64,661	4	0	64,661-	4-	
2006	3,109,562	282,951	9	0	282,951-	9-	
2007	570,781	570,014	100	0	570,014-	100-	
2008	621,452	305,313	49	0	305,313-	49-	
2009	2,471,338	426,937	17	0	426,937-	17-	
TOTAL	10,104,375	1,692,825	17	0	1,692,825-	17-	

THREE-YEAR MOVING AVERAGES

02-04	506,024	14,316	3	0	14,316-	3-	
03-05	1,099,712	25,707	2	0	25,707-	2-	
04-06	2,093,300	117,341	6	0	117,341-	6-	
05-07	1,831,172	305,875	17	0	305,875-	17-	
06-08	1,433,931	386,093	27	0	386,093-	27-	
07-09	1,221,190	434,088	36	0	434,088-	36-	

FIVE-YEAR AVERAGE

05-09	1,717,261	329,975	19	0	329,975-	19-	
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GAZ METRO

ACCOUNT Z1151 - DISTR. CONDUITES PRINCIPALES - PLAST DIRECT  
 DISTR. MAIN DIRECT PIPE DIRECT PLASTIC

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2002	72,693	32,587	45	0	32,587-	45-	
2003	118,431	7,853	7	0	7,853-	7-	
2004	236,966	20,114	8	0	20,114-	8-	
2005	524,687	28,827	5	0	28,827-	5-	
2006	597,099	28,626	5	0	28,626-	5-	
2007	542,124	58,412	11	0	58,412-	11-	
2008	653,328	35,677	5	0	35,677-	5-	
2009	500,565	72,729	15	0	72,729-	15-	
TOTAL	3,245,893	284,825	9	0	284,825-	9-	

THREE-YEAR MOVING AVERAGES

02-04	142,697	20,185	14	0	20,185-	14-	
03-05	293,361	18,931	6	0	18,931-	6-	
04-06	452,917	25,856	6	0	25,856-	6-	
05-07	554,636	38,622	7	0	38,622-	7-	
06-08	597,517	40,905	7	0	40,905-	7-	
07-09	565,339	55,606	10	0	55,606-	10-	

FIVE-YEAR AVERAGE

05-09	563,560	44,854	8	0	44,854-	8-	
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GAZ METRO

ACCOUNT Z1300 - DISTR. POSTES DE DETENTE - EQUIPEMENTS  
 DISTR. RELEASE STATION - EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL		GROSS SALVAGE		NET SALVAGE	
		AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
2002	268,529	2,013	1	0	2,013-	1-	
2003	232,590	71,290	31	0	71,290-	31-	
2004		42,327			42,327-		
2005	580,908	4,246	1	0	4,246-	1-	
2006	184,318	42,219	23	0	42,219-	23-	
2007	288,558	425,524	147	0	425,524-	147-	
2008	501,240	169,343	34	0	169,343-	34-	
2009	680,688	184,097	27	0	184,097-	27-	
TOTAL	2,736,831	941,059	34	0	941,059-	34-	

THREE-YEAR MOVING AVERAGES

02-04	167,040	38,543	23	0	38,543-	23-	
03-05	271,166	39,288	14	0	39,288-	14-	
04-06	255,075	29,597	12	0	29,597-	12-	
05-07	351,261	157,330	45	0	157,330-	45-	
06-08	324,705	212,362	65	0	212,362-	65-	
07-09	490,162	259,655	53	0	259,655-	53-	

FIVE-YEAR AVERAGE

05-09	447,142	165,086	37	0	165,086-	37-	
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GAZ METRO

ACCOUNT Z3100 - TRANSMISSION - CONDUITES  
TRANSMISSION - MAIN PIPE

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT PCT	GROSS SALVAGE AMOUNT PCT	NET SALVAGE AMOUNT PCT
2008		45,551		45,551-
2009				
TOTAL		45,551		45,551-
FIVE-YEAR AVERAGE				
05-09		9,110		9,110-

## PART VI. DETAILED DEPRECIATION CALCULATIONS

GAZ METRO

ACCOUNT Z1050 - DISTRIBUTION SERVITUDE  
DISTRIBUTION SERVITUDE (EASEMENT)

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 70-SQUARE						
NET SALVAGE PERCENT.. 0						
1958	31,351.76	23,065	18,514	12,838	18.50	694
1959	49,148.34	35,456	28,460	20,688	19.50	1,061
1960	14,879.90	10,522	8,446	6,434	20.50	314
1961	2,130.03	1,476	1,185	945	21.50	44
1962	49,215.22	33,397	26,808	22,407	22.50	996
1963	56,401.54	37,468	30,075	26,327	23.50	1,120
1964	15,859.12	10,308	8,274	7,585	24.50	310
1965	36,006.04	22,889	18,373	17,633	25.50	691
1966	37,016.78	23,002	18,464	18,553	26.50	700
1967	23,061.82	14,001	11,239	11,823	27.50	430
1968	161,966.57	96,030	77,083	84,884	28.50	2,978
1969	204,924.21	118,569	95,175	109,749	29.50	3,720
1970	25,803.87	14,561	11,688	14,116	30.50	463
1971	56,510.06	31,081	24,949	31,561	31.50	1,002
1972	603,071.39	323,065	259,323	343,748	32.50	10,577
1973	240,327.06	125,307	100,583	139,744	33.50	4,171
1974	75,282.82	38,176	30,644	44,639	34.50	1,294
1975	176,961.29	87,224	70,014	106,947	35.50	3,013
1976	4,832.94	2,313	1,857	2,976	36.50	82
1977	9,048.82	4,201	3,372	5,677	37.50	151
1978	34,104.41	15,347	12,319	21,785	38.50	566
1979	2,398.80	1,045	839	1,560	39.50	39
1980	186,434.13	78,563	63,062	123,372	40.50	3,046
1981	66,948.21	27,255	21,877	45,071	41.50	1,086
1982	246,734.83	96,942	77,815	168,920	42.50	3,975
1983	104,512.65	39,568	31,761	72,752	43.50	1,672
1984	281,699.82	102,623	82,375	199,325	44.50	4,479
1985	431,672.38	151,085	121,275	310,397	45.50	6,822
1986	171,300.58	57,506	46,160	125,141	46.50	2,691
1987	508,393.72	163,398	131,159	377,235	47.50	7,942
1988	315,149.31	96,782	77,686	237,463	48.50	4,896
1989	155,823.82	45,641	36,636	119,188	49.50	2,408
1990	407,491.27	113,527	91,127	316,364	50.50	6,265
1991	294,539.28	77,847	62,487	232,052	51.50	4,506

GAZ METRO

ACCOUNT Z1050 - DISTRIBUTION SERVITUDE  
DISTRIBUTION SERVITUDE (EASEMENT)

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 70-SQUARE						
NET SALVAGE PERCENT.. 0						
1992	106,504.19	26,626	21,373	85,131	52.50	1,622
1993	218,945.49	51,605	41,423	177,522	53.50	3,318
1994	61,782.14	13,679	10,980	50,802	54.50	932
1995	533,797.77	110,550	88,738	445,060	55.50	8,019
1996	1,517,102.57	292,649	234,908	1,282,195	56.50	22,694
1997	181,821.01	32,473	26,066	155,755	57.50	2,709
1998	77,879.00	12,796	10,271	67,608	58.50	1,156
1999	162,745.76	24,412	19,595	143,151	59.50	2,406
2000	243,627.98	33,060	26,537	217,091	60.50	3,588
2001	1,374,342.95	166,845	133,926	1,240,417	61.50	20,169
2002	280,228.45	30,012	24,090	256,138	62.50	4,098
2003	638,985.67	59,362	47,650	591,336	63.50	9,312
2004	45,245.75	3,556	2,854	42,392	64.50	657
2005	923,870.34	59,405	47,684	876,186	65.50	13,377
2006	595,845.91	29,792	23,914	571,932	66.50	8,600
2007	233,650.28	8,341	6,695	226,955	67.50	3,362
2008	230,811.04	4,939	3,965	226,846	68.50	3,312
2009	181,903.67	1,292	1,037	180,867	69.50	2,602
	12,690,092.76	3,080,634	2,472,810	10,217,283		196,137
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					52.1	1.55

GAZ METRO

ACCOUNT Z1100 - DISTR. BRANCHEMENTS D'IMMEUBLES-ACIER  
DISTR. BRANCH (SERVICE) - STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R1.5						
NET SALVAGE PERCENT.. -25						
1957	3,812.70	3,979	4,218	548	10.39	53
1958	140,795.64	145,935	154,718	21,277	10.61	2,005
1959	126,149.99	129,808	137,620	20,067	10.85	1,849
1960	242,238.34	245,811	260,605	42,193	11.48	3,675
1961	346,474.46	348,683	369,668	63,425	11.74	5,402
1962	289,911.55	289,187	306,591	55,798	12.02	4,642
1963	381,001.02	376,477	399,135	77,116	12.32	6,259
1964	542,938.68	531,130	563,095	115,578	12.64	9,144
1965	582,207.76	560,302	594,023	133,737	13.30	10,055
1966	991,732.81	943,758	1,000,557	239,109	13.64	17,530
1967	1,383,080.17	1,300,614	1,378,890	349,960	13.99	25,015
1968	1,666,491.32	1,547,546	1,640,683	442,431	14.36	30,810
1969	1,350,501.15	1,237,565	1,312,046	376,080	14.75	25,497
1970	1,021,274.70	922,849	978,389	298,204	15.14	19,696
1971	1,277,814.14	1,137,734	1,206,207	391,061	15.55	25,149
1972	1,436,256.46	1,259,058	1,334,833	460,488	15.97	28,835
1973	1,455,199.46	1,254,928	1,330,454	488,545	16.41	29,771
1974	3,025,348.68	2,550,747	2,704,260	1,077,426	17.13	62,897
1975	3,374,028.88	2,793,696	2,961,831	1,255,705	17.58	71,428
1976	2,132,294.48	1,732,223	1,836,474	828,894	18.05	45,922
1977	2,028,611.21	1,623,650	1,721,367	814,397	18.26	44,600
1978	2,638,273.96	2,067,417	2,191,842	1,106,000	18.75	58,987
1979	4,770,728.95	3,656,167	3,876,208	2,087,203	19.25	108,426
1980	6,960,221.89	5,210,596	5,524,189	3,176,088	19.76	160,733
1981	8,944,111.33	6,532,555	6,925,708	4,254,431	20.28	209,785
1982	5,302,980.37	3,773,733	4,000,850	2,627,875	20.81	126,279
1983	8,344,630.17	5,777,613	6,125,331	4,305,457	21.34	201,755
1984	11,321,139.82	7,650,260	8,110,681	6,040,744	21.67	278,761
1985	7,713,297.67	5,055,102	5,359,336	4,282,286	22.23	192,635
1986	3,908,856.03	2,480,169	2,629,435	2,256,635	22.80	98,975
1987	3,493,746.07	2,152,148	2,281,672	2,085,511	23.16	90,048
1988	2,851,408.92	1,693,737	1,795,672	1,768,589	23.75	74,467
1989	3,551,291.94	2,038,442	2,161,123	2,277,992	24.14	94,366
1990	2,578,143.43	1,420,235	1,505,710	1,716,969	24.75	69,372



GAZ METRO

ACCOUNT Z1100 - DISTR. BRANCHEMENTS D'IMMEUBLES-ACIER  
DISTR. BRANCH (SERVICE) - STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 45-R1.5						
NET SALVAGE PERCENT.. -25						
1991	2,963,541.91	1,569,566	1,664,028	2,040,399	25.17	81,065
1992	1,792,133.97	909,508	964,246	1,275,921	25.60	49,841
1993	1,589,294.15	770,410	816,776	1,169,842	26.05	44,908
1994	2,181,437.79	1,005,916	1,066,456	1,660,341	26.52	62,607
1995	3,106,425.19	1,357,120	1,438,796	2,444,235	26.99	90,561
1996	3,271,045.51	1,352,577	1,433,980	2,654,827	27.31	97,211
1997	3,320,860.20	1,286,833	1,364,279	2,786,796	27.82	100,172
1998	2,168,882.24	785,678	832,963	1,878,140	28.18	66,648
1999	2,453,280.86	827,676	877,489	2,189,112	28.41	77,054
2000	2,804,204.75	869,303	921,621	2,583,635	28.81	89,678
2001	2,502,849.85	707,368	749,940	2,378,622	29.09	81,768
2002	397,654.02	101,402	107,505	389,563	29.26	13,314
2003	508,840.01	114,934	121,851	514,199	29.47	17,448
2004	4,293,954.81	841,615	892,266	4,475,178	29.59	151,240
2005	2,361,158.35	389,296	412,725	2,538,723	29.63	85,681
2006	2,531,775.70	336,726	356,991	2,807,729	29.39	95,533
2007	2,174,391.14	216,080	229,085	2,488,904	28.95	85,973
2008	2,395,282.84	152,400	161,572	2,832,532	28.00	101,162
2009	3,021,497.29	74,027	78,482	3,698,390	25.07	147,523
	142,015,504.73	84,112,289	89,174,472	88,344,907		3,774,210
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					23.4	2.66

GAZ METRO

ACCOUNT Z1101 - DISTR. BRANCHEMENTS D'IMMEUBLES-CUIVRE INSER  
DISTR. BRANCH (SERVICE) COPPER INSERTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
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SURVIVOR CURVE.. IOWA 18-L0.5  
NET SALVAGE PERCENT.. -25

1964	295.91	342	509	139-		
1965	1,298.46	1,495	2,226	603-		
1966	3,411.03	3,914	5,827	1,563-		
1967	12,973.06	14,818	22,061	5,845-		
1968	49,357.84	56,077	83,486	21,789-		
1969	49,477.32	55,860	83,163	21,316-		
1970	10,307.84	11,604	17,276	4,391-		
1971	7,618.67	8,543	12,719	3,196-		
1972	25,276.97	28,083	41,809	10,213-		
1973	69,390.61	76,937	114,541	27,803-		
1974	35,113.94	38,643	57,530	13,638-		
1975	52,693.55	57,495	85,597	19,730-		
1976	76,190.66	82,638	123,029	27,791-		
1977	108,640.45	116,965	174,134	38,333-		
1978	113,244.42	120,846	179,912	38,356-		
1979	196,509.47	207,539	308,977	63,340-		
1980	105,058.55	110,023	163,799	32,476-		
1981	166,863.63	172,996	257,551	48,971-		
1982	11.65	12	18	3-		
1983	25.58	26	39	7-		
1989	400.74	370	550	49-		
	1,084,160.35	1,165,226	1,734,753	379,552-		

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT.. 0.0 0.00

GAZ METRO

ACCOUNT Z1102 - DISTR. BRANCHEMENTS D'IMMEUBLES-PLAST DIRECT  
DISTR. BRANCH (SERVICE) DIRECT PLASTIC

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R2.5						
NET SALVAGE PERCENT.. -40						
1977	8,303.19	7,216	7,095	4,529	19.85	228
1979	3,250.49	2,693	2,648	1,903	21.05	90
1980	46,247.85	37,437	36,812	27,935	21.52	1,298
1981	1,846,818.28	1,451,784	1,427,539	1,158,007	22.26	52,022
1982	12,462,259.82	9,548,833	9,389,366	8,057,798	22.75	354,189
1983	19,719,020.95	14,631,514	14,387,165	13,219,464	23.50	562,530
1984	29,070,305.05	20,963,760	20,613,662	20,084,765	24.00	836,865
1985	22,684,440.60	15,796,537	15,532,732	16,225,485	24.76	655,310
1986	11,664,759.81	7,868,114	7,736,715	8,593,949	25.28	339,951
1987	14,014,420.47	9,093,957	8,942,087	10,678,102	26.04	410,065
1988	12,231,316.99	7,657,783	7,529,897	9,593,947	26.58	360,946
1989	9,985,645.20	5,990,389	5,890,349	8,089,554	27.34	295,887
1990	8,787,814.77	5,062,660	4,978,113	7,324,828	27.89	262,633
1991	9,888,880.59	5,429,787	5,339,109	8,505,324	28.67	296,663
1992	11,708,320.80	6,138,673	6,036,156	10,355,493	29.23	354,276
1993	13,629,215.59	6,769,904	6,656,845	12,424,057	30.01	413,997
1994	16,020,769.80	7,545,142	7,419,137	15,009,941	30.58	490,842
1995	15,147,588.63	6,735,224	6,622,745	14,583,879	31.16	468,032
1996	14,481,568.51	6,021,436	5,920,877	14,353,319	31.95	449,243
1997	14,100,465.16	5,478,031	5,386,547	14,354,104	32.55	440,986
1998	13,562,479.95	4,891,173	4,809,490	14,177,982	33.14	427,821
1999	14,841,508.72	4,930,646	4,848,303	15,929,809	33.75	471,994
2000	17,646,550.53	5,328,905	5,239,911	19,465,260	34.55	563,394
2001	16,867,584.66	4,597,766	4,520,983	19,093,636	35.17	542,896
2002	18,221,046.99	4,438,647	4,364,521	21,144,945	35.60	593,959
2003	19,317,928.53	4,113,560	4,044,863	23,000,237	36.24	634,664
2004	19,199,280.54	3,488,893	3,430,628	23,448,365	36.87	635,974
2005	30,445,484.02	4,586,308	4,509,716	38,113,962	37.34	1,020,727
2006	30,899,468.80	3,681,363	3,619,883	39,639,373	37.65	1,052,839
2007	28,459,831.75	2,462,345	2,421,224	37,422,540	37.98	985,322
2008	27,915,689.21	1,489,023	1,464,156	37,617,809	37.87	993,341
2009	28,896,398.24	546,142	537,021	39,917,937	36.67	1,088,572
	503,774,664.49	186,785,645	183,666,295	521,618,238		16,057,556

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT.. 32.5 3.19

GAZ METRO

ACCOUNT Z1103 - DISTR. BRANCHEMENTS D'IMMEUBLES-PLAST INSERE  
DISTR. BRANCH (SERVICE) INSERT PLASTIC

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R2.5						
NET SALVAGE PERCENT.. -40						
1958	3.27	4	5			
1959	637.76	735	861	32	10.85	3
1960	1,396.75	1,597	1,871	84	11.10	8
1961	1,480.81	1,679	1,967	106	11.38	9
1962	3,446.89	3,851	4,511	315	12.02	26
1963	6,187.79	6,848	8,021	642	12.32	52
1964	5,615.62	6,117	7,165	697	12.98	54
1965	6,349.33	6,844	8,016	873	13.30	66
1966	9,526.39	10,153	11,892	1,445	13.64	106
1967	14,716.68	15,411	18,051	2,552	14.32	178
1968	10,103.21	10,449	12,239	1,905	14.68	130
1969	38,153.70	38,726	45,360	8,055	15.36	524
1970	17,135.72	17,153	20,092	3,898	15.75	247
1971	59,422.23	58,292	68,278	14,913	16.45	907
1972	163,869.15	158,298	185,417	44,000	16.85	2,611
1973	193,022.20	182,487	213,750	56,481	17.55	3,218
1974	489,683.66	455,141	533,113	152,444	17.97	8,483
1975	593,938.48	539,320	631,713	199,801	18.69	10,690
1976	494,301.11	440,472	515,931	176,091	19.13	9,205
1977	831,890.05	723,012	846,874	317,772	19.85	16,009
1978	1,186,391.35	1,009,856	1,182,859	478,089	20.31	23,540
1979	1,254,451.67	1,039,163	1,217,186	539,046	21.05	25,608
1980	1,949,829.14	1,578,348	1,848,741	881,020	21.52	40,940
1981	2,056,525.58	1,616,635	1,893,588	985,548	22.26	44,274
1982	7,505,398.06	5,750,786	6,735,977	3,771,580	22.75	165,784
1983	4,330,512.88	3,213,241	3,763,715	2,299,003	23.50	97,830
1984	6,912,452.82	4,984,846	5,838,821	3,838,613	24.00	159,942
1985	3,922,351.95	2,731,369	3,199,291	2,292,002	24.76	92,569
1986	6,667,376.24	4,497,279	5,267,727	4,066,600	25.28	160,862
1987	6,158,632.02	3,996,336	4,680,965	3,941,120	26.04	151,349
1988	6,549,668.71	4,100,617	4,803,111	4,366,425	26.58	164,275
1989	1,891,363.27	1,134,629	1,329,007	1,318,902	27.34	48,241
1990	473,528.29	272,800	319,535	343,405	27.89	12,313
1991	1,340,858.13	736,238	862,366	1,014,835	28.67	35,397

GAZ METRO

ACCOUNT Z1103 - DISTR. BRANCHEMENTS D'IMMEUBLES-PLAST INSERE  
DISTR. BRANCH (SERVICE) INSERT PLASTIC

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R2.5						
NET SALVAGE PERCENT.. -40						
1992	1,623,783.01	851,349	997,197	1,276,099	29.23	43,657
1993	3,281,623.67	1,630,048	1,909,298	2,684,975	30.01	89,469
1994	2,437,799.44	1,148,106	1,344,793	2,068,126	30.58	67,630
1995	2,005,879.90	891,894	1,044,688	1,763,544	31.16	56,596
1996	1,420,303.20	590,562	691,734	1,296,690	31.95	40,585
1997	1,097,138.84	426,238	499,259	1,036,735	32.55	31,851
1998	1,063,386.87	383,500	449,199	1,039,543	33.14	31,368
1999	1,173,992.59	390,024	456,841	1,186,749	33.75	35,163
2000	1,008,543.37	304,560	356,735	1,055,226	34.55	30,542
2001	529,426.39	144,311	169,033	572,164	35.17	16,269
2005	249,815.33	37,632	44,079	305,662	37.34	8,186
2006	305,273.87	36,370	42,601	384,782	37.65	10,220
2007	277,005.03	23,966	28,072	359,735	37.98	9,472
2008	330,550.68	17,632	20,652	442,119	37.87	11,675
2009	426,467.89	8,060	9,441	587,614	36.67	16,024
	72,371,210.99	46,222,984	54,141,638	47,178,057		1,774,157
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					26.6	2.45

GAZ METRO

ACCOUNT Z1104 - DISTR. BRANCEMENTS PRE-DETENTE-PLAST DIRECT  
 DISTR. BRANCH (SERVICE) PRE-RELEASE PLASTIC

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R4						
NET SALVAGE PERCENT.. 0						
1990	290,909.98	165,091	161,737	129,173	14.86	8,693
1991	327,465.31	177,519	173,913	153,552	15.63	9,824
1992	278,214.08	143,141	140,233	137,981	16.51	8,357
1993	173,907.73	84,658	82,938	90,970	17.40	5,228
1994	9,936.82	4,575	4,482	5,455	18.17	300
2002	17,677.08	4,004	3,923	13,754	25.61	537
2005	162,454.85	22,159	21,709	140,746	28.50	4,938
2006	169,883.19	18,025	17,659	152,224	29.50	5,160
2007	208,656.04	15,816	15,494	193,162	30.50	6,333
2008	75,496.11	3,443	3,373	72,123	31.39	2,298
2009	104,757.34	1,592	1,560	103,197	32.39	3,186
	1,819,358.53	640,023	627,021	1,192,337		54,854
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					21.7	3.02

GAZ METRO

ACCOUNT Z1105 - DISTR. BRANCHEMENTS PRE-DETENTE - ACIER  
 DISTR. BRANCH (SERVICE) PRE-RELEASE STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R4						
NET SALVAGE PERCENT.. 0						
1990	32,064.82	18,197	3,787-	35,852	14.86	2,413
1991	181,718.86	98,510	20,503-	202,222	15.63	12,938
1992	18,172.29	9,350	1,946-	20,118	16.51	1,219
1993	3,431.24	1,670	348-	3,779	17.40	217
2005	156,841.83	21,393	4,453-	161,295	28.50	5,659
2006	32,804.30	3,481	724-	33,528	29.50	1,137
2007	10,513.42	797	166-	10,679	30.50	350
2008	10,314.69	470	98-	10,413	31.39	332
	445,861.45	153,868	32,025-	477,886		24,265
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					19.7	5.44

GAZ METRO

ACCOUNT Z1150 - DISTR. CONDUITES PRINCIPALES - ACIER  
DISTR. MAIN PIPE STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R3						
NET SALVAGE PERCENT.. -25						
1958	208,037.79	222,314	202,353	57,694	8.74	6,601
1959	2,129,557.82	2,258,396	2,055,620	606,327	9.02	67,220
1960	2,337,746.95	2,444,699	2,225,196	696,988	9.67	72,077
1961	2,460,120.61	2,550,530	2,321,524	753,627	9.98	75,514
1962	794,783.33	816,441	743,135	250,344	10.30	24,305
1963	1,253,191.40	1,267,446	1,153,645	412,844	10.97	37,634
1964	2,403,296.16	2,405,699	2,189,697	814,423	11.32	71,945
1965	2,300,783.56	2,265,409	2,062,004	813,975	11.99	67,888
1966	2,232,910.81	2,173,460	1,978,310	812,829	12.36	65,763
1967	4,229,434.84	4,044,397	3,681,261	1,605,533	13.06	122,935
1968	9,240,339.16	8,724,035	7,940,726	3,609,698	13.45	268,379
1969	5,075,826.80	4,702,754	4,280,505	2,064,279	14.14	145,989
1970	2,802,466.89	2,560,054	2,330,193	1,172,891	14.55	80,611
1971	2,523,437.53	2,258,792	2,055,981	1,098,316	15.26	71,974
1972	3,682,647.47	3,245,333	2,953,943	1,649,366	15.69	105,122
1973	2,950,238.20	2,544,212	2,315,774	1,372,024	16.41	83,609
1974	5,982,996.87	5,071,338	4,615,995	2,862,751	16.85	169,896
1975	8,191,246.63	6,782,352	6,173,381	4,065,677	17.58	231,267
1976	3,636,933.02	2,939,551	2,675,616	1,870,550	18.31	102,160
1977	6,047,715.96	4,791,303	4,361,104	3,198,541	18.78	170,316
1978	4,708,482.17	3,633,771	3,307,504	2,578,099	19.52	132,075
1979	7,032,149.99	5,282,024	4,807,764	3,982,423	20.26	196,566
1980	7,848,551.66	5,759,856	5,242,693	4,567,997	20.75	220,144
1981	14,658,708.00	10,444,329	9,506,559	8,816,826	21.50	410,085
1982	43,488,727.80	30,050,711	27,352,532	27,008,378	22.25	1,213,860
1983	39,365,841.21	26,473,528	24,096,535	25,110,767	22.76	1,103,285
1984	52,248,781.43	33,974,770	30,924,260	34,386,717	23.52	1,462,020
1985	33,687,417.53	21,151,487	19,252,347	22,856,925	24.28	941,389
1986	11,620,300.04	7,031,734	6,400,372	8,125,003	25.04	324,481
1987	14,295,944.47	8,363,128	7,612,223	10,257,708	25.58	401,005
1988	3,975,165.80	2,233,049	2,032,549	2,936,408	26.34	111,481
1989	27,236,036.57	14,656,392	13,340,431	20,704,615	27.12	763,445
1990	8,779,809.23	4,516,114	4,110,623	6,864,139	27.89	246,115
1991	21,116,221.12	10,352,227	9,422,726	16,972,550	28.67	591,997



GAZ METRO

ACCOUNT Z1150 - DISTR. CONDUITES PRINCIPALES - ACIER  
DISTR. MAIN PIPE STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 50-R3						
NET SALVAGE PERCENT.. -25						
1992	8,160,355.07	3,802,725	3,461,288	6,739,156	29.45	228,834
1993	16,198,421.38	7,149,578	6,507,635	13,740,392	30.23	454,528
1994	5,670,415.66	2,362,437	2,150,320	4,937,700	31.01	159,229
1995	74,346,311.46	29,106,581	26,493,173	66,439,716	31.80	2,089,299
1996	49,497,212.12	18,208,787	16,573,865	45,297,650	32.37	1,399,371
1997	11,327,539.23	3,876,850	3,528,757	10,630,667	33.16	320,587
1998	11,124,195.81	3,518,027	3,202,152	10,703,093	33.95	315,260
1999	7,399,182.96	2,146,688	1,953,942	7,295,037	34.75	209,929
2000	12,699,866.91	3,348,002	3,047,394	12,827,440	35.55	360,828
2001	20,024,707.40	4,745,856	4,319,738	20,711,146	36.34	569,927
2002	2,849,407.68	598,376	544,649	3,017,111	37.14	81,236
2003	4,490,873.22	821,268	747,528	4,866,064	37.94	128,257
2004	1,788,728.69	277,924	252,970	1,982,941	38.75	51,173
2005	2,292,928.36	292,922	266,621	2,599,539	39.55	65,728
2006	7,149,835.51	713,196	649,160	8,288,134	40.36	205,355
2007	3,851,441.96	276,822	251,967	4,562,335	40.98	111,331
2008	2,896,072.89	125,979	114,668	3,505,423	41.60	84,265
2009	7,402,929.22	109,193	99,389	9,154,273	41.87	218,636
	609,716,274.35	329,472,846	299,890,297	462,255,049		17,212,926
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					26.9	2.82

GAZ METRO

ACCOUNT Z1151 - DISTR. CONDUITES PRINCIPALES - PLAST DIRECT  
DISTR. MAIN PIPE DIRECT PLASTIC

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R3						
NET SALVAGE PERCENT.. -10						
1980	270,960.13	150,369	153,416	144,640	28.98	4,991
1981	2,122,864.84	1,144,691	1,167,884	1,167,267	29.64	39,381
1982	33,438,961.84	17,501,284	17,855,882	18,926,976	30.30	624,653
1983	40,907,965.86	20,631,933	21,049,962	23,948,800	31.30	765,137
1984	70,797,835.76	34,554,300	35,254,413	42,623,206	31.97	1,333,225
1985	35,942,448.25	16,953,334	17,296,829	22,239,864	32.64	681,368
1986	21,264,685.88	9,674,581	9,870,600	13,520,554	33.32	405,779
1987	22,429,888.40	9,827,207	10,026,318	14,646,559	33.99	430,908
1988	23,693,529.74	9,919,533	10,120,515	15,942,368	34.99	455,626
1989	11,483,159.68	4,609,225	4,702,614	7,928,862	35.68	222,221
1990	14,736,673.24	5,659,030	5,773,689	10,436,652	36.36	287,037
1991	15,809,455.89	5,791,004	5,908,337	11,482,064	37.06	309,824
1992	15,991,861.47	5,541,180	5,653,451	11,937,597	38.06	313,652
1993	30,206,914.36	9,925,086	10,126,181	23,101,425	38.75	596,166
1994	24,792,708.83	7,693,425	7,849,303	19,422,677	39.45	492,337
1995	27,804,475.48	8,117,239	8,281,704	22,303,219	40.14	555,636
1996	17,531,826.49	4,765,326	4,861,877	14,423,132	41.14	350,587
1997	12,088,782.29	3,058,462	3,120,430	10,177,231	41.85	243,184
1998	15,001,293.15	3,511,503	3,582,650	12,918,772	42.55	303,614
1999	18,746,574.97	4,006,705	4,087,886	16,533,346	43.55	379,641
2000	25,345,839.95	4,926,471	5,026,288	22,854,136	44.26	516,361
2001	30,418,883.54	5,320,263	5,428,058	28,032,714	44.97	623,365
2002	22,374,466.90	3,470,280	3,540,592	21,071,322	45.69	461,180
2003	24,646,120.39	3,312,932	3,380,056	23,730,676	46.69	508,260
2004	28,358,146.85	3,244,172	3,309,903	27,884,059	47.41	588,147
2005	26,006,780.27	2,445,938	2,495,496	26,111,962	48.13	542,530
2006	24,217,696.34	1,782,180	1,818,290	24,821,176	48.85	508,110
2007	16,517,910.85	872,146	889,817	17,279,885	49.58	348,525
2008	16,293,678.87	521,561	532,128	17,390,919	50.05	347,471
2009	15,137,408.92	164,846	168,186	16,482,964	50.26	327,954
	684,379,799.43	209,096,206	213,332,755	539,485,024		13,566,870
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					39.8	1.98

GAZ METRO

ACCOUNT Z1152 - DISTR. CONDUITES PRINCIPALES - PLAST INSERE  
DISTR. MAIN PIPE PLASTIC INSERTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 60-R5						
NET SALVAGE PERCENT.. -10						
1971	1,163.88	833	977	303	20.67	15
1972	160,224.92	111,706	131,083	45,164	21.67	2,084
1973	931,072.49	631,816	741,412	282,768	22.67	12,473
1974	1,391,443.56	923,710	1,083,939	446,649	23.32	19,153
1975	1,055,522.64	680,970	799,093	361,982	24.32	14,884
1976	1,140,163.13	714,255	838,152	416,027	25.32	16,431
1977	1,216,101.37	739,086	867,290	470,422	26.32	17,873
1978	1,230,890.17	725,056	850,826	503,153	27.32	18,417
1979	1,166,819.83	665,496	780,935	502,567	28.32	17,746
1980	1,712,606.48	944,759	1,108,639	775,228	29.32	26,440
1981	1,363,610.88	726,736	852,798	647,174	30.32	21,345
1982	4,726,697.38	2,430,704	2,852,340	2,347,027	31.32	74,937
1983	2,088,295.90	1,034,855	1,214,364	1,082,761	32.32	33,501
1984	2,919,402.69	1,392,117	1,633,597	1,577,746	33.32	47,351
1985	4,613,020.54	2,113,455	2,480,060	2,594,263	34.32	75,590
1986	4,757,517.57	2,090,691	2,453,348	2,779,921	35.32	78,707
1987	4,945,828.04	2,080,957	2,441,925	2,998,486	36.32	82,557
1988	5,524,591.87	2,221,162	2,606,451	3,470,600	37.32	92,996
1989	2,309,869.50	885,488	1,039,087	1,501,769	38.32	39,190
1990	683,190.53	249,125	292,339	459,171	39.32	11,678
1991	1,073,377.77	371,335	435,748	744,968	40.32	18,476
1992	1,598,339.71	523,057	613,788	1,144,386	41.32	27,696
1993	2,584,619.13	797,484	935,817	1,907,264	42.32	45,068
1994	2,594,079.80	751,894	882,319	1,971,169	43.32	45,503
1995	3,099,240.87	840,359	986,130	2,423,035	44.32	54,671
1996	2,645,149.70	667,768	783,601	2,126,064	45.32	46,912
1997	2,068,833.02	483,590	567,475	1,708,241	46.32	36,879
1998	1,494,362.10	321,363	377,107	1,266,691	47.32	26,769
1999	1,084,637.50	212,969	249,911	943,190	48.32	19,520
2000	1,591,838.58	282,790	331,844	1,419,178	49.32	28,775
2001	788,607.70	125,349	147,092	720,376	50.32	14,316
2002	12,609.66	1,769	2,076	11,795	51.32	230
	64,573,728.91	26,742,704	31,381,563	39,649,538		1,068,183

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT.. 37.1 1.65

GAZ METRO

ACCOUNT Z1200 - DISTRIBUTION COMPTEURS (15 ANS)  
DISTRIBUTION METER (15 YEARS)

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 18-R1.5						
NET SALVAGE PERCENT.. 0						
1959	124.53	125	125			
1960	6,924.32	6,924	6,924			
1961	7,132.82	7,133	7,133			
1962	10,147.11	10,147	10,147			
1963	16,346.70	16,347	16,347			
1964	15,502.17	15,502	15,502			
1965	14,467.13	14,467	14,467			
1966	31,923.62	31,924	31,924			
1967	60,503.33	60,503	60,503			
1968	73,559.44	73,559	73,559			
1969	66,188.53	66,189	66,189			
1970	10,539.99	10,540	10,540			
1971	22,782.58	22,783	22,783			
1972	28,851.11	28,851	28,851			
1973	79,727.21	79,727	79,727			
1974	232,889.39	232,330	155,404	77,485	0.09	77,485
1975	301,752.32	297,739	199,156	102,596	0.47	102,596
1976	68,447.80	66,730	44,635	23,813	0.86	23,813
1977	310,576.36	300,793	201,198	109,378	1.06	103,187
1978	314,112.57	301,799	201,871	112,242	1.29	87,009
1979	732,325.94	696,881	466,139	266,187	1.55	171,734
1980	1,384,754.42	1,307,208	874,383	510,371	1.75	291,641
1981	1,279,883.65	1,196,435	800,287	479,597	1.99	241,004
1982	1,948,299.02	1,800,228	1,204,161	744,138	2.26	329,265
1983	2,904,405.87	2,647,656	1,771,000	1,133,406	2.57	441,014
1984	2,836,320.18	2,553,255	1,707,855	1,128,465	2.83	398,751
1985	3,262,478.81	2,901,649	1,940,894	1,321,585	3.05	433,307
1986	4,283,467.37	3,744,607	2,504,743	1,778,724	3.38	526,250
1987	1,264,035.28	1,086,438	726,711	537,324	3.68	146,012
1988	1,820,388.90	1,538,229	1,028,911	791,478	3.94	200,883
1989	1,826,253.91	1,508,851	1,009,261	816,993	4.31	189,558
1990	4,381,107.23	3,536,868	2,365,788	2,015,319	4.65	433,402
1991	3,028,108.67	2,386,452	1,596,282	1,431,827	4.97	288,094
1992	2,055,166.94	1,571,792	1,051,361	1,003,806	5.38	186,581

GAZ METRO

ACCOUNT Z1200 - DISTRIBUTION COMPTEURS (15 ANS)  
DISTRIBUTION METER (15 YEARS)

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 18-R1.5						
NET SALVAGE PERCENT.. 0						
1993	3,252,381.02	2,409,689	1,611,825	1,640,556	5.77	284,325
1994	4,443,442.17	3,168,174	2,119,171	2,324,271	6.24	372,479
1995	3,028,395.51	2,077,176	1,389,409	1,638,987	6.64	246,835
1996	3,559,076.74	2,330,483	1,558,845	2,000,232	7.12	280,931
1997	2,771,204.48	1,725,075	1,153,891	1,617,313	7.58	213,366
1998	3,381,480.29	1,987,296	1,329,289	2,052,191	8.07	254,299
1999	6,573,803.31	3,624,138	2,424,162	4,149,641	8.55	485,338
2000	5,809,074.61	2,974,827	1,989,842	3,819,233	9.05	422,015
2001	4,686,213.72	2,210,956	1,478,894	3,207,320	9.52	336,903
2002	4,831,345.89	2,069,265	1,384,118	3,447,228	10.01	344,378
2003	5,397,537.19	2,069,956	1,384,580	4,012,957	10.45	384,015
2004	6,410,120.29	2,150,595	1,438,519	4,971,601	10.89	456,529
2005	6,978,974.45	1,991,101	1,331,834	5,647,140	11.27	501,077
2006	10,773,608.31	2,500,554	1,672,604	9,101,004	11.58	785,924
2007	8,780,889.58	1,536,656	1,027,859	7,753,031	11.79	657,594
2008	9,690,280.95	1,098,878	735,033	8,955,248	11.73	763,448
2009	9,410,409.02	417,822	279,478	9,130,931	10.76	848,600
	134,457,732.75	66,463,302	44,604,114	89,853,618		12,309,642
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					7.3	9.16

GAZ METRO

ACCOUNT Z1250 - DISTR. POSTES DE LIVRAISON - EQUIPEMENTS  
DISTR. DELIVERY STATION - EQUIPMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 32-R5						
NET SALVAGE PERCENT.. -25						
1971	7,888.78	9,567	7,318	2,543	1.18	2,155
1972	33,795.91	40,716	31,143	11,102	1.41	7,874
1973	39,360.61	47,233	36,128	13,073	1.52	8,601
1974	82,334.72	97,917	74,895	28,023	1.81	15,482
1975	13,795.01	16,242	12,423	4,821	2.13	2,263
1976	68,482.96	79,723	60,979	24,625	2.47	9,970
1978	199,440.31	226,165	172,990	76,310	3.22	23,699
1979	61,786.59	68,784	52,612	24,621	3.75	6,566
1980	144,843.93	158,097	120,926	60,129	4.28	14,049
1981	4,324,548.91	4,621,862	3,535,179	1,870,507	4.83	387,269
1982	6,035,137.51	6,286,350	4,808,316	2,735,606	5.50	497,383
1983	11,457,271.54	11,613,377	8,882,862	5,438,727	6.18	880,053
1984	5,870,360.73	5,782,305	4,422,781	2,915,170	6.86	424,952
1985	3,386,016.19	3,225,180	2,466,882	1,765,638	7.65	230,802
1986	668,953.08	615,102	470,480	365,711	8.45	43,279
1987	83.67	74	57	48	9.35	5
1988	1,305,191.03	1,108,433	847,820	783,669	10.15	77,209
1989	1,281,752.73	1,041,264	796,444	805,747	11.04	72,984
1990	1,096,179.80	847,073	647,911	722,314	12.04	59,993
1991	2,525,777.03	1,857,393	1,420,686	1,736,535	12.95	134,095
1992	1,193,093.33	829,946	634,811	856,556	13.95	61,402
1993	1,334,720.33	878,246	671,755	996,645	14.85	67,114
1994	4,641,744.74	2,869,178	2,194,582	3,607,599	15.85	227,609
1995	3,588,287.82	2,074,927	1,587,074	2,898,286	16.85	172,005
1996	7,040,539.04	3,790,450	2,899,247	5,901,427	17.85	330,612
1997	1,834,630.71	914,563	699,533	1,593,755	18.85	84,549
1998	2,539,824.42	1,164,827	890,955	2,283,826	19.85	115,054
1999	3,535,013.87	1,480,287	1,132,245	3,286,522	20.85	157,627
2000	3,422,669.12	1,296,764	991,871	3,286,465	21.85	150,410
2001	3,088,097.32	1,046,865	800,728	3,059,394	22.85	133,890
2002	1,233,929.15	369,099	282,317	1,260,094	23.85	52,834
2003	1,907,222.88	494,448	378,194	2,005,835	24.85	80,718
2004	895,500.25	196,450	150,261	969,114	25.85	37,490
2005	180,710.01	32,437	24,811	201,077	26.85	7,489

GAZ METRO

ACCOUNT Z1250 - DISTR. POSTES DE LIVRAISON - EQUIPEMENTS  
 DISTR. DELIVERY STATION - EQUIPMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 32-R5						
NET SALVAGE PERCENT.. -25						
2006	2,445,605.57	341,468	261,183	2,795,824	27.85	100,389
2007	1,760,934.46	175,653	134,354	2,066,814	28.85	71,640
2008	711,098.52	42,577	32,566	856,307	29.85	28,687
2009	636,905.66	12,738	9,743	786,389	30.85	25,491
	80,593,528.24	55,753,780	42,645,062	58,096,848		4,803,693
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					12.1	5.96

GAZ METRO

ACCOUNT Z1251 - DISTR. POSTES DE LIVRAISON - PARTIE CIVILE  
 DISTR. DELIVERY STATION - CIVIL BUILDING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-S4						
NET SALVAGE PERCENT.. -10						
1959	388.95	417	340	88	1.31	67
1960	444.68	475	387	102	1.52	67
1961	324.98	345	281	76	1.75	43
1962	482.64	512	417	114	1.76	65
1963	731.99	771	628	177	2.04	87
1968	30.85	32	26	8	2.75	3
1969	12,440.21	12,747	10,387	3,297	2.98	1,106
1971	43.69	44	36	12	3.52	3
1980	12,534.74	11,145	9,081	4,707	7.00	672
1981	835.92	729	594	326	7.47	44
1982	181,688.29	154,450	125,853	74,004	8.09	9,148
1983	228,749.28	189,372	154,309	97,315	8.71	11,173
1984	3,489,989.21	2,799,774	2,281,379	1,557,609	9.47	164,478
1985	1,699,886.75	1,319,384	1,075,092	794,783	10.22	77,767
1986	395,704.20	296,640	241,715	193,560	10.98	17,628
1987	28,740.49	20,701	16,868	14,747	11.86	1,243
1989	409,829.61	270,803	220,662	230,151	13.63	16,886
1990	727,955.03	459,070	374,071	426,680	14.51	29,406
1991	649,714.29	390,075	317,850	396,836	15.40	25,769
1992	307,918.13	174,876	142,497	196,213	16.40	11,964
1993	290,512.48	155,564	126,760	192,804	17.40	11,081
1994	900,524.38	452,991	369,117	621,460	18.40	33,775
1995	363,918.62	171,253	139,545	260,765	19.40	13,441
1996	181,522.79	79,531	64,805	134,870	20.40	6,611
1997	31,385.93	12,733	10,375	24,150	21.40	1,129
1998	57,626.52	21,508	17,526	45,863	22.40	2,047
2001	5,115.48	1,411	1,150	4,477	25.40	176
2002	198,776.74	48,388	39,429	179,225	26.40	6,789
2003	329,488.42	69,515	56,644	305,793	27.40	11,160
2004	557,843.43	99,592	81,152	532,476	28.40	18,749
2005	216,055.99	31,561	25,717	211,945	29.40	7,209
2006	427,302.15	48,554	39,564	430,468	30.40	14,160
2007	455,263.98	36,958	30,115	470,675	31.40	14,990
2008	322,626.50	15,722	12,811	342,078	32.40	10,558



GAZ METRO

ACCOUNT Z1251 - DISTR. POSTES DE LIVRAISON - PARTIE CIVILE  
 DISTR. DELIVERY STATION - CIVIL BUILDING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-S4						
NET SALVAGE PERCENT.. -10						
2009	48,675.39	792	645	52,898	33.40	1,584
	12,535,072.73	7,348,435	5,987,828	7,800,752		521,078
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					15.0	4.16

GAZ METRO

ACCOUNT Z1300 - DISTR. POSTES DE DETENTE - EQUIPEMENTS  
DISTR. RELEASE STATION - EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 28-R2.5						
NET SALVAGE PERCENT.. -25						
1972	11,027.71	12,665	10,777	3,008	3.31	909
1973	35,847.74	40,889	34,793	10,017	3.50	2,862
1974	98,929.65	111,951	95,261	28,401	3.71	7,655
1975	150,370.68	167,964	142,923	45,040	4.11	10,959
1976	112,554.75	124,908	106,286	34,407	4.23	8,134
1977	311,095.63	341,233	290,359	98,511	4.54	21,698
1978	147,809.85	160,060	136,197	48,565	4.86	9,993
1979	381,862.53	407,638	346,864	130,464	5.21	25,041
1980	376,233.81	395,422	336,470	133,822	5.59	23,940
1981	385,285.79	399,445	339,893	141,714	5.86	24,183
1982	931,281.76	947,579	806,307	357,795	6.28	56,974
1983	3,463,773.08	3,453,815	2,938,894	1,390,822	6.72	206,968
1984	3,672,246.11	3,581,817	3,047,813	1,542,495	7.18	214,832
1985	1,823,501.43	1,736,885	1,477,937	801,440	7.65	104,763
1986	1,274,293.35	1,182,863	1,006,513	586,354	8.15	71,945
1987	351,339.31	317,215	269,922	169,252	8.65	19,567
1988	1,713,269.72	1,501,038	1,277,252	864,335	9.17	94,257
1989	1,028,406.76	869,646	739,993	545,515	9.80	55,665
1990	843,094.57	688,492	585,846	468,022	10.35	45,220
1991	683,326.64	537,266	457,166	396,992	10.91	36,388
1992	1,205,703.60	910,005	774,335	732,795	11.48	63,832
1993	1,009,271.81	728,568	619,948	641,642	12.07	53,160
1994	379,348.15	260,185	221,395	252,790	12.75	19,827
1995	1,201,871.21	782,118	665,514	836,825	13.35	62,684
1996	1,130,498.05	694,408	590,880	822,243	13.97	58,858
1997	394,145.96	227,274	193,390	299,292	14.60	20,499
1998	713,893.34	382,825	325,751	566,616	15.31	37,010
1999	888,145.04	440,631	374,938	735,243	15.96	46,068
2000	758,251.51	344,910	293,488	654,326	16.61	39,393
2001	1,237,728.33	510,254	434,182	1,112,978	17.27	64,446
2002	1,306,138.50	482,455	410,527	1,222,146	17.88	68,353
2003	1,596,324.73	517,608	440,439	1,554,967	18.56	83,781
2004	958,167.43	266,850	227,066	970,643	19.19	50,581
2005	687,597.98	159,351	135,594	723,903	19.77	36,616

GAZ METRO

ACCOUNT Z1300 - DISTR. POSTES DE DETENTE - EQUIPEMENTS  
 DISTR. RELEASE STATION - EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 28-R2.5						
NET SALVAGE PERCENT.. -25						
2006	625,920.83	114,778	97,666	684,735	20.37	33,615
2007	520,358.66	69,598	59,221	591,227	20.86	28,343
2008	151,246.95	12,478	10,618	178,441	21.23	8,405
2009	312,996.45	9,155	7,790	383,456	20.87	18,374
	32,873,159.40	23,892,242	20,330,208	20,761,239		1,835,798
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					11.3	5.58

GAZ METRO

ACCOUNT Z1301 - DISTR. POSTES DE DETENTE - PARTIE CIVILE  
 DISTR. RELEASE STATION - CIVIL BUILDING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-S4						
NET SALVAGE PERCENT.. -10						
1983	2,494,404.21	2,065,017	785,181	1,958,664	8.71	224,875
1988	2,179,201.79	1,510,187	574,219	1,822,903	12.63	144,331
2003	335,168.00	70,714	26,887	341,798	27.40	12,474
2004	39,886.00	7,121	2,708	41,167	28.40	1,450
2005	338,871.00	49,502	18,822	353,936	29.40	12,039
2006	407,841.00	46,343	17,621	431,004	30.40	14,178
2007	162,762.00	13,213	5,024	174,014	31.40	5,542
2008	210,018.00	10,234	3,891	227,129	32.40	7,010
2009	15,466.00	252	96	16,917	33.40	506
	6,183,618.00	3,772,583	1,434,449	5,367,532		422,405
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					12.7	6.83

GAZ METRO

ACCOUNT Z1501 - DISTR. BIOGAZ - SERVITUDE  
 DISTR. BIOGAZ - SERVITUDE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. SQUARE						
PROBABLE RETIREMENT YEAR.. 9-2031						
NET SALVAGE PERCENT.. 0						
2005	3,415.22	585	488	2,927	21.75	135
	3,415.22	585	488	2,927		135
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					21.7	3.95

GAZ METRO

ACCOUNT Z1550 - DISTR. BIOGAZ - CONDUITE ACIER  
 DISTR. BIOGAZ - MAIN PIPE STEEL

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 65-R3						
PROBABLE RETIREMENT YEAR.. 9-2031						
NET SALVAGE PERCENT.. -25						
2005	1,894,959.52	413,575	275,750	2,092,949	21.27	98,399
2006	63,949.11	11,303	7,536	72,400	21.25	3,407
2007	13,566.40	1,786	1,191	15,767	21.25	742
	1,972,475.03	426,664	284,477	2,181,116		102,548
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					21.3	5.20

GAZ METRO

ACCOUNT Z1560 - DISTR. BIOGAZ - POSTE DE COMPRESSION - EQUIP  
 DISTR. BIOGAZ - COMPRESSION STATION - EQUIP

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 25-R2.5						
PROBABLE RETIREMENT YEAR.. 9-2031						
NET SALVAGE PERCENT.. -10						
2005	2,203,721.73	531,361	317,550	2,106,544	16.03	131,413
2006	587,045.18	113,717	67,959	577,791	16.38	35,274
2007	242,518.23	34,813	20,805	245,965	16.66	14,764
2008	945,509.50	85,389	51,030	989,030	16.78	58,941
	3,978,794.64	765,280	457,344	3,919,330		240,392
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					16.3	6.04

GAZ METRO

ACCOUNT Z1561 - DISTR. BIOGAZ POSTE DE COMP - PARTIE CIVILE  
 DISTR. BIOGAZ COMPRESSION STAT. BUILDING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 40-R2						
PROBABLE RETIREMENT YEAR.. 9-2031						
NET SALVAGE PERCENT.. -10						
2005	1,486,972.70	316,502	222,260	1,413,410	18.76	75,342
2006	18,926.46	3,279	2,303	18,516	18.72	989
2007	33,603.27	4,362	3,063	33,901	18.69	1,814
2008	207,326.00	17,150	12,043	216,016	18.46	11,702
	1,746,828.43	341,293	239,669	1,681,843		89,847
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					18.7	5.14



GAZ METRO

ACCOUNT Z1570 - DISTR. BIOGAZ - POSTE DE MESURAGE - EQUIP  
 DISTR. BIOGAZ - METER STATION - EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 25-R2.5						
PROBABLE RETIREMENT YEAR.. 9-2031						
NET SALVAGE PERCENT.. -25						
2005	6,726.00	1,843	1,550	6,858	16.03	428
2006	15,493.96	3,411	2,868	16,499	16.38	1,007
2007	272,681.54	44,481	37,398	303,454	16.66	18,215
	294,901.50	49,735	41,816	326,811		19,650
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					16.6	6.66

GAZ METRO

ACCOUNT Z1571 - DISTR. BIOGAZ-POSTE DE MESURAGE-PARTIE CIVIL  
 DISTR. BIOGAZ - METER STATION - BUILDING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
 SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM SURVIVOR CURVE.. IOWA 40-R2						
PROBABLE RETIREMENT YEAR.. 9-2031						
NET SALVAGE PERCENT.. -10						
2005	164,959.74	35,112	23,598	157,858	18.76	8,415
2006	5,164.63	895	601	5,080	18.72	271
	170,124.37	36,007	24,199	162,938		8,686
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					18.8	5.11

GAZ METRO

ACCOUNT Z3050 - TRANSMISSION - SERVITUDES  
TRANSMISSION - SERVITUDES

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. 70-SQUARE						
NET SALVAGE PERCENT.. 0						
1983	4,775,459.01	1,807,989	4,666,071	109,388	43.50	2,515
1984	4,160,573.80	1,515,697	3,911,722	248,852	44.50	5,592
1985	90,257.70	31,590	81,528	8,730	45.50	192
1986	300,044.88	100,725	259,952	40,093	46.50	862
1987	3,143,498.57	1,010,320	2,607,441	536,058	47.50	11,285
1989	150,821.30	44,176	114,010	36,811	49.50	744
1990	30,621.06	8,531	22,017	8,604	50.50	170
1991	50,277.37	13,288	34,294	15,983	51.50	310
2007	15,011.84	536	1,383	13,629	67.50	202
2008	23,065.00	494	1,275	21,790	68.50	318
	12,739,630.53	4,533,346	11,699,693	1,039,938		22,190
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					46.9	0.17

GAZ METRO

ACCOUNT Z3100 - TRANSMISSION - CONDUITES  
TRANSMISSION - MAIN PIPE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 65-R3						
NET SALVAGE PERCENT.. -10						
1983	84,324,223.59	39,820,428	82,196,344	10,560,302	35.23	299,753
1984	159,825,469.81	72,626,292	149,913,399	25,894,618	36.23	714,729
1985	10,751.76	4,724	9,751	2,076	36.85	56
1986	228,834.98	97,012	200,250	51,468	37.48	1,373
1987	32,370,779.28	13,139,299	27,121,816	8,486,041	38.48	220,531
1988	890,305.06	347,468	717,235	262,101	39.10	6,703
1989	287,557.96	107,009	220,885	95,429	40.10	2,380
1991	1,391.47	473	976	555	41.38	13
1993	31,918.08	9,732	20,089	15,021	43.02	349
1994	475,789.79	137,123	283,046	240,323	43.67	5,503
1997	882.35	206	425	546	46.32	12
1999	21,480.06	4,267	8,808	14,820	47.64	311
2000	5,671.80	1,019	2,103	4,136	48.64	85
2001	834,694.34	135,062	278,792	639,372	49.30	12,969
2002	956,114.47	136,514	281,789	769,937	50.30	15,307
2003	80,442.47	10,008	20,658	67,829	50.97	1,331
2005	53,950.41	4,700	9,702	49,643	52.32	949
2006	90,296.50	6,158	12,711	86,615	52.99	1,635
2007	545,213.37	26,688	55,089	544,646	53.68	10,146
2008	257,401.03	7,616	15,721	267,420	54.36	4,919
2009	549.79	6	12	593	54.45	11
	281,293,718.37	126,621,804	261,369,601	48,053,491		1,299,065
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					37.0	0.46

GAZ METRO

ACCOUNT Z4051 - STOCKING - ADMINISTRATIVE BUILDING

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. 0						
1979	245,749.98	191,144	208,404	37,346	8.71	4,288
1983	26,364.71	18,724	20,415	5,950	10.81	550
1984	87,389.77	60,168	65,601	21,789	11.54	1,888
1985	16,538.38	11,063	12,062	4,476	12.13	369
1987	8,697.46	5,460	5,953	2,744	13.34	206
1990	6,496.00	3,636	3,964	2,532	15.34	165
1991	6,215.40	3,335	3,636	2,579	15.98	161
1992	58,058.30	29,668	32,347	25,711	16.75	1,535
1993	838.75	408	445	394	17.40	23
1994	298,585.46	137,469	149,882	148,703	18.17	8,184
1995	22,524.89	9,767	10,649	11,876	18.94	627
1999	5,234.00	1,698	1,851	3,383	21.86	155
2001	3,492.30	929	1,013	2,479	23.45	106
2002	16,840.00	3,979	4,338	12,502	24.24	516
2003	669,373.63	137,958	150,415	518,959	25.04	20,725
2004	330,308.17	57,969	63,203	267,105	25.85	10,333
2005	570,904.95	82,496	89,945	480,960	26.65	18,047
2006	108,488.43	12,270	13,378	95,110	27.46	3,464
	2,482,100.58	768,141	837,501	1,644,598		71,342
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					23.1	2.87

GAZ METRO

ACCOUNT Z4052 - STOCKING - BUILDING INFRASTRUCTURE

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 44-R3						
NET SALVAGE PERCENT.. -43						
1975	252,745.89	263,119	256,233	105,194	12.89	8,161
1979	7,405,409.16	7,041,115	6,856,845	3,732,890	15.37	242,869
1981	26,205.99	23,605	22,987	14,488	16.75	865
1983	5,213.80	4,446	4,330	3,126	17.94	174
1985	18,319.84	14,634	14,251	11,946	19.36	617
1987	93,004.63	69,424	67,607	65,390	20.60	3,174
1988	100,699.83	72,144	70,256	73,745	21.42	3,443
1990	210,499.65	138,527	134,902	166,112	22.87	7,263
1991	2,593,948.38	1,633,225	1,590,482	2,118,864	23.52	90,088
1992	5,510.00	3,296	3,210	4,669	24.34	192
1993	101.84	58	56	90	24.99	4
1996	390,635.48	184,788	179,952	378,657	27.31	13,865
1997	1,609,169.90	707,592	689,074	1,612,039	28.15	57,266
1999	22,800.00	8,526	8,303	24,301	29.66	819
2001	5,154.08	1,579	1,538	5,832	31.18	187
2002	74,006.89	20,087	19,561	86,269	32.02	2,694
2003	2,440,006.08	576,068	560,992	2,928,217	32.87	89,085
2004	45,021.35	9,065	8,828	55,553	33.56	1,655
2005	361,808.80	59,862	58,295	459,092	34.41	13,342
2006	761,920.79	98,822	96,236	993,311	35.11	28,291
2007	581,961.88	54,343	52,920	779,285	35.81	21,762
2008	63,211.69	3,571	3,478	86,915	36.52	2,380
2009	1,493,272.47	28,614	27,865	2,107,515	36.81	57,254
	18,560,628.42	11,016,510	10,728,201	15,813,500		645,450
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					24.5	3.48

GAZ METRO

ACCOUNT Z4101 - STOCKING - MECHANIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 35-R3						
NET SALVAGE PERCENT.. 0						
1975	34,506.90	28,810	33,956	551	6.82	81
1979	4,344,223.78	3,378,937	3,982,524	361,700	8.71	41,527
1981	1,622.83	1,212	1,429	194	9.67	20
1983	84,741.92	60,184	70,935	13,807	10.81	1,277
1984	10,342.51	7,121	8,393	1,950	11.54	169
1985	812,544.92	543,511	640,600	171,945	12.13	14,175
1986	150,403.94	97,552	114,978	35,426	12.73	2,783
1987	4,863.68	3,053	3,598	1,266	13.34	95
1988	110,454.10	66,968	78,931	31,523	13.96	2,258
1992	124,175.82	63,454	74,789	49,387	16.75	2,948
1993	88,644.52	43,152	50,860	37,785	17.40	2,172
1994	9,059.00	4,171	4,916	4,143	18.17	228
1997	206,693.72	78,544	92,574	114,120	20.39	5,597
1998	154,500.21	54,369	64,081	90,419	21.18	4,269
1999	14,163.38	4,596	5,417	8,746	21.86	400
2000	59,614.73	17,616	20,763	38,852	22.65	1,715
2001	331,386.15	88,182	103,934	227,452	23.45	9,699
2002	15,961.20	3,772	4,446	11,515	24.24	475
2003	741,353.86	152,793	180,087	561,267	25.04	22,415
2004	173,643.35	30,474	35,918	137,725	25.85	5,328
2005	182,043.57	26,305	31,004	151,040	26.65	5,668
2006	367,710.22	41,588	49,016	318,694	27.46	11,606
2007	140,246.60	11,430	13,472	126,775	28.17	4,500
2008	39,110.00	1,932	2,277	36,833	28.89	1,275
2009	153,196.35	2,574	3,034	150,162	29.26	5,132
	8,355,207.26	4,812,300	5,671,932	2,683,277		145,812
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					18.4	1.75

GAZ METRO

ACCOUNT Z4102 - STOCKING - ELECTRONIC EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 5-R3						
NET SALVAGE PERCENT.. 0						
1979	560,244.94	560,245	560,245			
1983	863.28	863	863			
1987	5,452.56	5,453	5,453			
1990	18,254.69	18,255	18,255			
1995	300,010.32	300,010	300,010			
1996	92,221.14	92,221	92,221			
1997	7,340.79	7,341	7,341			
2001	6,200.00	6,200	6,200			
2002	176,420.92	175,592	50,185-	226,606	0.04	226,606
2003	105,555.91	100,521	28,729-	134,285	0.33	134,285
2005	58,739.00	46,733	13,357-	72,096	1.16	62,152
2006	268,018.49	179,465	51,292-	319,310	1.73	184,572
2007	236,359.49	120,851	34,540-	270,899	2.39	113,347
	1,835,681.53	1,613,750	812,485	1,023,196		720,962
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					1.4	39.27



GAZ METRO

ACCOUNT Z4103 - STOCKING - SPECIALIZE EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL  
SURVIVNG ORIGINAL COST AS AT SEPTEMBER 31, 2009

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUT. BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
SURVIVOR CURVE.. IOWA 25-R3						
NET SALVAGE PERCENT.. 0						
1983	22,225.16	19,260	13,929	8,296	4.08	2,033
1985	3,170.48	2,641	1,910	1,260	4.91	257
1988	290,000.00	223,851	161,896	128,104	6.35	20,174
1990	5,863.75	4,242	3,068	2,796	7.45	375
1992	3,996.99	2,679	1,938	2,059	8.61	239
1993	558,741.65	357,706	258,704	300,038	9.27	32,367
1994	1,139,478.13	695,879	503,282	636,196	9.88	64,392
1995	164,699.57	95,295	68,921	95,779	10.56	9,070
2003	61,919.26	17,548	12,691	49,228	16.44	2,994
	2,250,094.99	1,419,101	1,026,339	1,223,756		131,901
COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PCT..					9.3	5.86



1 ANNEXE B

Société en commandite Gaz Métro  
Normes internationales d'information financière (IFRS), R-3687-2009  
Annexe B

Catégories	Description	TAUX ELG (exclus abandon)		TAUX ELG (inclus abandon)		TAUX ASL (inclus abandon)		TAUX ACTUEL (inclus abandon)	
		Taux Amort. ELG sans abandon (1) %	Amortissement prévu 2012 %	Taux Amort. ELG inclus abandon (1) %	Amortissement prévu 2012 %	Taux Amort. ASL inclus abandon (1) %	Amortissement prévu 2012 %	Taux Amort. ASL incl. abandon %	Amortissement prévu 2012 %
<b>ACTIFS INTANGIBLES</b>									
Z1400	Dis Mutation	2.50%	(51)	2.50%	(51)	2.50%	(51)	2.50%	(51)
Z2700	Inst Mutation	2.50%	(3)	2.50%	(3)	2.50%	(3)	2.50%	(3)
Z3150	Transm. - Mutation	2.50%	(9)	2.50%	(9)	2.50%	(9)	2.50%	(9)
Z4150	Stockage - Mutation	2.50%	(1)	2.50%	(1)	2.50%	(1)	2.50%	(1)
	<b>Total</b>		(64)		(64)		(64)		(64)
<b>ENTREPOSAGE</b>									
Z4000	Stockage - Terrain	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z4050	Stockage - bâtiments	0.00%	-	0.00%	-	0.00%	-	3.03%	(188)
Z4100	Stockage - équipement	0.00%	-	0.00%	-	0.00%	-	3.03%	(864)
Z4051	Stockage - bâtiment administratif	3.33%	(123)	2.87%	(104)	2.50%	(91)	0.00%	-
Z4052	Stockage - bâtiment infrastructure	2.18%	(381)	3.48%	(607)	3.06%	(533)	0.00%	-
Z4101	Stockage - équipement mécanique	3.28%	(278)	1.75%	(148)	1.52%	(129)	0.00%	-
Z4102	Stockage - équipement électronique	46.73%	(853)	33.27%	(721)	37.40%	(687)	0.00%	-
Z4103	Stockage - équipement spécialisé	7.02%	(158)	5.86%	(132)	5.26%	(118)	0.00%	-
Z4200	Stock. - gaz coussin	0.00%	-	0.00%	-	0.00%	-	0.00%	-
	ajustement dédoublement des cat Usine LSR								
	<b>Total</b>		(1739)		(1712)		(1558)		(1052)
<b>TRANSMISSION</b>									
Z3000	Transm. - Terrain	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z3050	Transm. - Servitudes	0.17%	(22)	0.17%	(22)	0.17%	(22)	4.00%	(510)
Z3100	Transm. - Conduites	0.19%	(80)	0.46%	(198)	0.41%	(174)	4.00%	(1711)
	<b>Total</b>		(102)		(220)		(196)		(2 221)
<b>TRANSMISSION</b>									
Z3000	Transm. - Terrain	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z3050	Transm. - Servitudes	0.17%	(22)	0.17%	(22)	0.17%	(22)	4.00%	(510)
Z3100	Transm. - Conduites	0.19%	(80)	0.46%	(198)	0.41%	(174)	4.00%	(1711)
	<b>Total</b>		(102)		(220)		(196)		(2 221)
<b>DISTRIBUTION</b>									
Z1000	Dis Terrain	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z1050	Dis Servitude	1.55%	(202)	1.55%	(202)	1.55%	(202)	1.43%	(187)
Z1251	Dis Poste liv civile	3.40%	(442)	4.16%	(541)	3.88%	(505)	2.34%	(383)
Z1301	Dis Poste dét civile	4.54%	(293)	6.83%	(441)	6.32%	(408)	2.34%	(190)
Z1106	Dis Br Fronte	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z1101	Dis Br cuivre inséré	0.00%	-	0.00%	-	0.00%	-	3.67%	(40)
Z1100	Dis Br Acier	2.13%	(3 056)	2.66%	(3 820)	2.10%	(3 022)	3.77%	(5 425)
Z1102	Dis Br Plast direct	2.17%	(11 382)	3.19%	(17 639)	2.64%	(14 611)	3.63%	(20 063)
Z1351	Distribution - CASEP	2.17%	5	3.19%	7	2.64%	6	3.63%	8
Z1352	Rev. Contr. cl. racc	2.17%	124	3.19%	182	2.64%	151	3.63%	207
Z1353	Rev. Condit. de racc	2.17%	2	3.19%	3	2.64%	3	3.63%	4
Z1354	Rev. Cont. rent. Inv.	2.17%	31	3.19%	45	2.64%	37	3.63%	51
Z1355	Rev Pénalité Entente	2.17%	1	3.19%	1	2.64%	1	3.63%	1
Z1103	Dis Br Pl inséré	1.75%	(1 267)	2.45%	(1 774)	2.10%	(1 523)	3.87%	(2 801)
Z1107	Dis Br Aluminium	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z1104	Dis Br pré-dét Pl d	2.95%	(54)	3.02%	(55)	2.80%	(51)	2.66%	(48)
Z1105	Dis Br pré-dét Acier	2.90%	(13)	5.44%	(24)	5.03%	(22)	2.51%	(11)
Z1154	Dis Cond Fonte	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z1150	Dis Cond Acier	2.18%	(13 677)	2.82%	(17 678)	2.49%	(15 571)	3.06%	(19 163)
Z1151	Dis Cond Plast dir	1.73%	(13 120)	1.98%	(14 432)	1.72%	(12 615)	2.21%	(16 161)
Z1152	Dis Cond Plast insé	1.53%	(1 030)	1.65%	(1 133)	1.70%	(1 096)	1.97%	(1 272)
Z1153	Dis Cond Aluminium	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z1155	Dis Bridge-joints	0.00%	-	0.00%	-	0.00%	-	0.00%	-
Z1250	Dis Poste liv équip	4.04%	(3 333)	5.36%	(4 913)	5.70%	(4 693)	3.10%	(2 556)

2

3

4 Note : Les impacts à la hausse sur la dépense d'amortissement sont présentés en négatif tandis que les impacts à la baisse sont  
5 présentés en positif.

21300	Diz Poste dét équip	3.34%	(1 093)	5.58%	(1 837)	4.84%	(1 592)	3.41%	(1 121)
21200	Diz Compteurs	3.16%	(12 733)	3.16%	(12 733)	7.25%	(10 080)	4.82%	(6 703)
21501	Diz Biogaz Servitude	3.95%	(0)	3.95%	(0)	3.95%	(0)	3.57%	(0)
21550	Diz Biogaz Cond Acé	4.02%	(79)	5.20%	(103)	5.14%	(101)	3.57%	(70)
21560	Diz Biogaz P Comp éq	5.43%	(238)	6.04%	(264)	5.31%	(232)	3.57%	(156)
21561	Diz Biogaz P Comp pc	4.61%	(83)	5.14%	(92)	4.73%	(85)	3.57%	(64)
21570	Diz Biogaz P Mesu éq	5.16%	(15)	6.66%	(20)	5.86%	(17)	3.57%	(11)
21571	Diz Biogaz P Mesu pc	4.57%	(8)	5.11%	(9)	4.72%	(8)	3.57%	(6)
21350	Diz Cont. PCF	2.17%	273	3.19%	402	2.64%	333	3.36%	424
<b>Total</b>			(62 283)		(77 070)		(65 313)		(75 743)
<b>INSTALLATIONS GÉNÉRALES</b>									
22000	Inst Terrain	0.00%	-	0.00%	-	0.00%	-	0.00%	-
22050	Inst Bâtiments	3.51%	(2 595)	3.51%	(2 595)	3.51%	(2 595)	3.51%	(2 595)
22051	Inst Infrastructures	2.25%	(25)	2.25%	(25)	2.25%	(25)	2.25%	(25)
22052	Inst Equip base immeubles	4.00%	(308)	4.00%	(308)	4.00%	(308)	4.00%	(308)
22053	Inst Equip fct immeubles	10.00%	(405)	10.00%	(405)	10.00%	(405)	10.00%	(405)
22054	Inst Equip tech immeubles	20.00%	(116)	20.00%	(116)	20.00%	(116)	20.00%	(116)
22100	Inst Améli. loc	0.00%	(112)	0.00%	(112)	divers	(112)	0.00%	(112)
22150	Inst Mobilier	10.00%	(1 207)	10.00%	(1 207)	divers	(1 207)	10.00%	(1 207)
22150_	Inst Mobilier - Usine LSR	10.00%	-	10.00%	-	10.00%	-	10.00%	-
22200	Inst Inform périphér	25.00%	(227)	25.00%	(227)	25.00%	(227)	25.00%	(227)
22201	Inst Ordri central	0.00%	(443)	0.00%	(443)	divers	(443)	0.00%	(443)
22202	Inst Pag.cell,mike,caméra	50.00%	(21)	50.00%	(21)	50.00%	(21)	50.00%	(21)
22203	Inst Micro-ord,serveur,stock	25.00%	(1 281)	25.00%	(1 281)	25.00%	(1 281)	25.00%	(1 281)
22204	Inst Imprim.phot.lib.stock	20.00%	(239)	20.00%	(239)	20.00%	(239)	20.00%	(239)
22205	Inst Syst.tél,mes.distance	10.00%	(165)	10.00%	(165)	10.00%	(165)	10.00%	(165)
22400	Inst Voiture-Fourgon	20.00%	(2 356)	20.00%	(2 356)	20.00%	(2 356)	20.00%	(2 356)
22450	Inst Camionnettes	20.00%	(578)	20.00%	(578)	20.00%	(578)	20.00%	(578)
22500	Inst Camions lourds	12.50%	(1 076)	12.50%	(1 076)	12.50%	(1 076)	12.50%	(1 076)
22500	Inst Camions lourds	12.50%	(1 076)	12.50%	(1 076)	12.50%	(1 076)	12.50%	(1 076)
22560	Inst Véhi Tt terrain	10.00%	(2)	10.00%	(2)	10.00%	(2)	10.00%	(2)
22650	Inst Remorques	12.50%	(103)	12.50%	(103)	12.50%	(103)	10.00%	(83)
22550	Inst Accessoir lourd	12.50%	(72)	12.50%	(72)	12.50%	(72)	12.50%	(72)
22600	Inst Machine lourde	12.50%	(151)	12.50%	(151)	12.50%	(151)	10.00%	(121)
22301	Inst Equip&Outillage	4.00%	(136)	4.00%	(136)	4.00%	(136)	4.00%	(136)
22301_	Inst Equip&Outillage - Usine LSR	4.00%	-	4.00%	-	4.00%	-	4.00%	-
22302	Inst Outils spéc, électro	20.00%	(130)	20.00%	(130)	20.00%	(130)	20.00%	(130)
22303	Inst Equip&Outillage 12 ans	0.00%	-	0.00%	-	8.33%	-	0.00%	-
22300	Inst Mach&Outillage	12.50%	(893)	12.50%	(893)	12.50%	(893)	12.50%	(893)
22250	Inst Commun. - Usine LSR	8.33%	(418)	8.33%	(418)	8.33%	(418)	8.33%	(418)
22250_	Inst Commun. - Usine LSR	8.33%	-	8.33%	-	8.33%	-	8.33%	-
<b>Total</b>			(13 666)		(13 666)		(13 666)		(13 616)
<b>Total avant travaux en cours et contributio</b>			(77 920)		(92 733)		(81 337)		(92 636)
<b>CONTRIBUTIONS</b>									
25001	Subv. - Distr Infra	2.77%	1 124	2.77%	1 124	2.77%	1 124	2.77%	1 124
25002	Subv. - Distr Pro m	2.71%	694	2.71%	694	2.71%	694	2.71%	694
25050	Subv. - Transmission	4.00%	-	4.00%	-	4.00%	-	4.00%	-
25000	Subv. - Distr Perd	2.45%	1 971	2.45%	1 971	2.45%	1 971	2.45%	1 971
25003	Subv. - Distr Con pl d	2.25%	213	2.25%	213	2.25%	213	2.25%	213
<b>Sous-total contributions</b>			4 002		4 002		4 002		4 002
<b>Total avant travaux en cours</b>			(73 918)		(88 731)		(77 336)		(88 634)
23000	TEC Dist Fr gén capt	-	-	-	-	-	-	0.00%	-
23010	TEC Répartir Fin d'année	-	-	-	-	-	-	0.00%	-
23050	TEC Develop/Amel Rés	-	-	-	-	-	-	0.00%	-
23100	TEC Immeubles	-	-	-	-	-	-	0.00%	-
23150	TEC Véhicules	-	-	-	-	-	-	0.00%	-
23200	TEC Inst gén équip.	-	-	-	-	-	-	0.00%	-
23200	TEC Inst gén équip.	-	-	-	-	-	-	0.00%	-
23250	TEC Transmission	-	-	-	-	-	-	0.00%	-
23300	TEC Stockage équip.	-	-	-	-	-	-	0.00%	-
23350	TEC stockage BStim.	-	-	-	-	-	-	0.00%	-
<b>Sous-total TEC</b>			-		-		-		-
<b>Total</b>			(73 918)		(88 731)		(77 336)		(88 634)
<b>Amortissement imputé à d'autres comptes:</b>									
Matériel Roulant (20%)			988		988		988		988
Droit de mutation			64		64		64		64
<b>Total dépense amortissement</b>			(72 866)		(87 673)		(76 343)		(87 641)
<b>Impact - Modification des taux d'amortissement (Méth)</b>									<b>11 298</b>
<b>Impact - Changement de méthode d'amortissement -ASL vs ELG</b>									<b>(11 335)</b>
<b>Impact - Total</b>									<b>(31)</b>

(1) Source de Larry Kennedy de la firme Ganett Fleming pour entreposage, transmission et distribution.

Note : Les impacts à la hausse sur la dépense d'amortissement sont présentés en négatif tandis que les impacts à la baisse sont présentés en positif.

**1 ANNEXE C**

Catégorie actuelle	Taux actuels	Nouvelles catégories proposées	Taux proposés pour les catégories
Stockage Bâtiment (Z4050) et Stockage Équipement (Z4100)	3,09 % (25 ans)	<b>Stockage Bâtiment administratif (Z4051)</b>	2,87 % (23,1 ans)
		<b>Stockage Bâtiment infrastructure (Z4052) :</b> Réservoirs Bâtiments reliés aux procédés Pompes Canalisation Vannes Tuyauterie et support	3,48 % (24,5 ans)
		<b>Stockage Équipement mécanique (Z4101) :</b> Tous les équipements mécaniques utilisés pour la liquéfaction, la regazéification et le stockage	1,75 % (18,4 ans)
		<b>Stockage Équipement électronique (Z4102) :</b> Tous les équipements électroniques utilisés pour la protection des incendie (détecteurs de fumée, thermique, panneaux d'alarmes incendie et ses composantes), la liquéfaction, la regazéification et le stockage	39,27 % (1,4 an)
		<b>Stockage Équipement spécialisé (Z4103) :</b> Comprend le câblage, les boîtes de jonction et autres	5,86 % (9,3 ans)
n/a	n/a	<b>Équipement et outillage (Z2303)</b>	8,33 % 12 ans
Machinerie lourde (Z2600) et remorques (Z2650)	10% (10 ans)	Machinerie lourde (Z2600) et remorques (Z2650)	12,5% (8 ans)

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