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September 28, 2005

VIA HAND DELIVERY

Director Pat Miller
c/o Sharla Dillon, Docket and Records Manager
Tennessee Regulatory Authority
460 James Robertson Parkway
Nashville, TN 37243-0505

Re. Petition of Cellco Partnership d/b/a Verizon Wireless for Arbitration Under the Telecommunications Act of 1996, TRA Consolidated Docket No. 03-00585

Dear Director Miller:

Please find enclosed an original and four copies of the proposed TELRIC Cost Study Methodology (with attachments) filed on behalf of each of the members of the Rural Independent Telephone Coalition for filing in the above-referenced matter I have also enclosed a CD containing electronic copies of the models submitted.

Sincerely,

Bill Ramsey

William T. Ramsey

/jm
enclosures

cc Paul Walters
Mark Ashby
Edward Phillips
Charles McKee
Elaine Critides
Dan Menser
Marin Fettman

BEFORE THE
TENNESSEE REGULATORY AUTHORITY
NASHVILLE, TENNESSEE

IN RE:

Petition of Sprint Spectrum L.P. d/b/a Sprint PCS for Arbitration under the Telecommunications Act	)	Consolidated Docket No. 03-00585
Petition of T-Mobile USA, Inc. for Arbitration under the Telecommunications Act	)	
Petition of BellSouth Mobility LLC; BellSouth Personal Communications, LLC; Chattanooga MSA Limited Partnership; Collectively d/b/a Cingular Wireless, for Arbitration under the Telecommunications Act	)	
Petition of Cellco Partnership d/b/a Verizon Wireless for Arbitration under the Telecommunications Act	)	
Petition of AT&T Wireless PCS, LLC d/b/a AT&T Wireless for Arbitration under the Telecommunications Act	)	

PROPOSED COST STUDY METHODOLOGY AND MODEL DESCRIPTIONS FILED ON BEHALF OF THE RURAL COALITION

on behalf of

Ardmore Telephone Company, Inc.
Ben Lomand Rural Telephone Cooperative, Inc.
Bledsoe Telephone Cooperative
CenturyTel of Adamsville, Inc.
CenturyTel of Claiborne, Inc.
CenturyTel of Ooltewah-Collegedale, Inc.
Concord Telephone Exchange, Inc.
Crockett Telephone Company, Inc.
Dekalb Telephone Cooperative, Inc.
Highland Telephone Cooperative, Inc.
Humphreys County Telephone Company
Loretto Telephone Company, Inc.
Millington Telephone Company
North Central Telephone Cooperative, Inc.
Peoples Telephone Company
Tellico Telephone Company, Inc.
Tennessee Telephone Company
Twin Lakes Telephone Cooperative Corporation
United Telephone Company
West Tennessee Telephone Company, Inc.
Yorkville Telephone Cooperative

September 28, 2005

I. Introduction and Procedural History

The Rural Coalition of Small Local Exchange Carriers and Cooperatives (hereinafter referred to as the "Coalition" or the "Independents") respectfully submits this filing in accordance with the Arbitration Panel's oral directive on September 7, 2005. Specifically, the Panel requested that the Coalition Members submit their mathematical models for performing TELRIC cost studies.[1]

In accordance with the Procedural Schedule established in this proceeding, the Coalition Members each submitted a description of their proposed TELRIC cost study methodology on August 11, 2005. While the Coalition Members submitted this filing in the spirit of cooperation with the processes established by the Authority, the Independents restated and adhered to the position that the Coalition has set forth throughout this proceeding: as a matter of law and policy, the imposition of TELRIC cost methodology on the Independents is inappropriate and contrary to the public interest.

The Rural Coalition Members and its counsel understood that they were required to submit descriptions of their proposed methodologies, and, more specifically, where the proposed methodology would vary from the TELRIC method and the reasons therefore. In their August 11, 2005 filing, each of the Coalition Members indicated its intention to submit TELRIC-compliant costs studies. Each company described the methodology it would follow in preparing those costs studies. The Coalition Members or their expert consultants stated specifically that the methodology to be used would be TELRIC-compliant.

[1] As agreed by the parties, on the record in this proceeding on July 21, 2005, and again on September 27, 2005, the materials filed as an attachment to this document are subject to the terms of the Protective Order entered in this case on April 12, 2004 The Coalition respectfully notes that the TRA has not yet issued an order with respect to its deliberations on the arbitrated matters before it in this proceeding, and that the Coalition members have reserved all rights with respect to rights to seek review and judicial appeal of the order when it is issued

The CMRS Providers argued that the information provided by many but not all of the Coalition Members was insufficient to determine the appropriateness of the modeling methods. The Panel agreed and orally ordered on September 7, 2005, that each of the Coalition Members submit the actual mathematical models to be used and provide additional descriptions of each model The Coalition respectfully submits that this requirement is unnecessarily burdensome and duplicative of the Panel's prior directive that that the mathematical models themselves (and not just the descriptions thereof) would be submitted in the filing that is due December 7, 2005. In that filing, the Panel has required each Coalition Member to file its own separate cost study based on each company's costs.

In accordance with the oral ruling of the Panel on September 7, 2005, the actual mathematical models to be used by the consultants and experts for each of the Coalition Members are provided with this filing [2] The models do not contain data as discussed with the Panel on September 7. In order to assist the Panel, the Coalition Members and their respective consultants have provided additional descriptions of the actual mathematical models used by each of the consultants for the Coalition Members as Appendix A to this filing, and, where necessary, an explanation of how the models used comply with TELRIC standards. The mathematical models themselves are attached as Appendix B.

[2] As indicated in the attachment in Appendix A filed on behalf of CenturyTel, the model referenced by CenturyTel is already on file at the Authority and is available on the FCC's website

II. General Principles Used By The Coalition Members and Their Consultants In Preparing The Mathematical Models

The FCC promulgated rules in In Re Implementation of Local Competition in Telecommunications Act of 1996, 11 FCC Rcd 15499 (1996) ("First Report and Order").[3] In the First Report and Order, the FCC defined forward-looking economic cost as the sum of the total element long-run incremental cost in ("TELRIC") of the element, and a reasonable allocation of forward-looking common costs First Report and Order at ¶ 672. The FCC did not at that time, and has not, to date, proposed a specific model to be used to develop rates for reciprocal compensation Instead, as an Appendix to the First Report and Order, the FCC provided rules which generally stated the principles to be used in developing such rates [4]

Accordingly, and as this Authority has previously recognized, as long as a model satisfies the guiding principle contained in 47 CFR §§ 51.505 and 51.511, the model is TELRIC compliant. "While no model is expected to achieve infallible results, several models will

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[3] The TELRIC rules were by FCC Order specifically not to be applied to rural telephone companies in the absence of a finding by the State regulatory authority that the rural exemption applicable to the rural telephone company should be removed in accordance with the provisions of Sec 251(f)(1) of the Telecommunications Act The rules have been amended since the First Report and Order

[4] The preparation of TELRIC cost studies imposes a significant administrative and financial burden on the Coalition Members The administrative burden of performing TELRIC cost studies is one factor that underlies the existing FCC policy whereby it has not applied TELRIC principles to rural companies As the Coalition has previously argued before the TRA and this Panel, the FCC has indicated that a rural LEC is not subject to the FCC's TELRIC pricing rules established pursuant to Section 252 of the Communications Act of 1934, as amended, unless a state regulatory authority removes the rural LECs Section 251(f)(1) exemption. Specifically, in the context of the consideration of reciprocal compensation transport and termination pricing addressed in the First Report and Order, the FCC stated in response to rural concerns regarding the potential implementation of TELRIC pricing rules "We also note that certain small incumbent LECs are not subject to our rules under Section 251(f)(1) unless otherwise determined by a State Commission The Coalition respectfully submits this response in the spirit of cooperation with the processes established by the Authority and this Panel However, the Coalition Members restate and adhere to their position that they have previously argued throughout this proceeding As a matter of law and policy, the imposition of TELRIC cost methodology on the Coalition Members is inappropriate and contrary to the public interest As the Authority and this Panel are aware, the Arbitration Order in this proceeding has not been issued Accordingly, the Coalition reserves its right to act to the extent necessary to avoid the imposition of the administrative and economic burden associated with the performance of TELRIC cost studies, and to seek review of this Panel's Order when it is issued and released Additionally, the Coalition reserves the right to seek reimbursement of the cost of preparing TELRIC cost studies in this proceeding

produce reasonably close estimates of the near-term future cost." Interim Order on Phase 1 of Proceeding to Establish Prices For Interconnection and Unbundled Network Elements, TRA Docket No. 97-01262 (January 25, 1999) at 9. In fact, "forward-looking economic costs are inherently hypothetical in nature and are intended to reflect what costs may reasonably occur in the foreseeable future " Id.

All of the models proposed by the Coalition Members are TELRIC compliant. However, as stated above, and previously recognized by the Authority, there is no specific or single model to be used. As long as the model produces a reasonably close estimate of the near term future cost, and is prepared in accordance with the FCC's general rules, the model is TELRIC compliant.[5]

As stated above, and as discussed in detail with this Panel in the proceedings on September 7, 2005, the models provided by the Coalition Members and their consultants herein contain only the algorithms to be used. The data is not included. Certainly after a cost study which contains the data inputs is produced, parties may reasonably anticipate that there will be significant disputes regarding the results of the studies. However, the fact that there will be, or may be, disputes regarding the data inputs, should have no bearing on whether or not the models proposed by the Coalition Members and their consultants are TELRIC- compliant.

Many of the objections asserted by the CMRS Providers in their response to the Coalition's Original Cost Study Methodology filing raised issues regarding the appropriate data to be used as inputs for the models to be used by the Coalition Members and their consultants. As was made clear in proceedings before this Panel on September 7, 2005, arguments regarding the data input are reserved for the next phase of the proceeding which would follow the

[5] Each of the Coalition Members and their consultants incorporate by reference the statements made in the Cost Study Methodology and Description prepared by John Staurulakis, Inc in the section entitled "TELRIC Regulations " Those general principles will not be restated here

submissions the Panel has required on December 7, 2005 The Coalition Members respectfully submit that it is inappropriate, inefficient, and premature to debate the appropriate data inputs to be used at this juncture

III. Conclusion

With the above general principles in mind, the Coalition Members respectfully request that this Panel determine that the models proposed by the Coalition Members and their consultants are compliant with the FCC's TELRIC methodology in the event that Coalition Members are lawfully required to establish rates based on a TELRIC methodology.

Respectfully submitted,

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BEFORE THE
TENNESSEE REGULATORY AUTHORITY

Petition of:	)	
	)	
Cellco Partnership d/b/a Verizon Wireless	)	**Consolidated Docket**
For Arbitration Under the	)	**No. 03-00585**
Telecommunications Act of 1996	)	

Parrish, Blessing and Associates
Forward Looking Model ("FLM")
Transport and Termination Costs
Submitted On Behalf Of
Bledsoe Telephone Cooperative and
Dekalb Telephone Cooperative, Inc.

Parrish, Blessing and Associates ("PBA") , on behalf of Bledsoe Telephone Cooperative and Dekalb Telephone Cooperative submit this response in accordance with the statements and directions of the Arbitration Panel at the September 7, 2005 hearing in the above-referenced proceeding. Specifically the TRA asked that the rural LECs ensure that the Authority has a copy of a TELRIC or Forward Looking Cost Model that a rural LEC would propose to utilize to establish rates in the above-referenced proceeding. In addition, the TRA requested explanation regarding how the TELRIC cost model works. The following is a description of how the PBA model works. In addition, PBA incorporates by reference its previous portion of the filing submitted on behalf of the Coalition on August 11, 2005.

FLM Overview

The PBA forward looking cost model ("FLM) is designed to produce TELRIC prices in accordance with the FCC's Rules, specifically the principles set forth in 47

C.F R Sections 51 505 and 51.511. The FLM is an Excel spreadsheet with a number of worksheet/workpaper, input and output tabs The version of the FLM submitted with this filing has been specifically modified to calculate only costs associated with the transport and termination of local traffic.

FLM Description – Transport and Termination Version

The attached FLM is comprised of five (5) input tabs (labeled Input 1...5), three (3) worksheet tabs (labeled WS1, WS2, WS3), two (2) workpaper tabs (labeled WP 1 and WP 2) and four (4) output tabs (labeled Output 1...4).

Following is a brief description of each tab:

Input 1	Miscellaneous financial and statistical data
Input 2	Fiber ring data
Input 3	Switch data
Input 4	Facility investments
Input 5	Switching investment
Worksheet 1	Expense factors
Worksheet 2	TELRIC expense factors
Worksheet 3	Traffic and circuits
Workpaper 1	Switching
Workpaper 2	Ring
Output 1	Calculation of transport and termination unit cost
Output 2	Switching cost – local
Output 3	Switching cost – tandem
Output 4	Transport cost

For the purposes of this filing the input and worksheet/workpaper data have been populated with zeroes. All formulas and algorithms are displayed in the model. This rendition of the FLM is fully functional, has not been "protected" and can calculate if populated. In addition to displaying the algorithm in each cell the FLM also "sources" any calculated number to the relevant input or worksheet tab The

FLM is essentially "self-documenting" given a basic understanding of TELRIC and Excel.

FLM – TELRIC Compliance

Many of the attributes that determine whether a cost is TELRIC-based are functions of the inputs. Section 51.505 of the FCC's Rules lay out requirements for TELRIC that include: efficient network configuration, forward-looking cost of capital, depreciation rates and the allocation of common costs. The FLM accommodates these various inputs into the calculation of a TELRIC transport and termination rate. The FLM does excludes those costs, set forth in Section 51.505(d) of the Rules, that are embedded, retail, opportunity or revenues to subsidize other services.

The FLM divides the costs for transport and termination developed pursuant to Section 51 505 by the demand as set forth in Section 51.511 of the Rules to produce TELRIC transport and termination rates.

As discussed in an earlier filing the PBA, FLM has been identified as the model to be used in determining TELRIC-based rates in Puerto Rico. [can we provide a citation of where that can be found?]

BEFORE THE
TENNESSEE REGULATORY AUTHORITY

Petition of:	)	
	)	
Cellco Partnership d/b/a Verizon Wireless For Arbitration Under the Telecommunications Act of 1996	)))	**Consolidated Docket No. 03-00585**

TDS Telecom – Tennessee
Docket No. 03-00585

DESCRIPTION OF TELRIC COMPLIANT INTERCONNECTION COST MODEL

As requested by the TRA on September 7, 2005, TDS TELECOM (hereafter "TDS") on behalf of its Tennessee companies: Concord Telephone Exchange, Inc , Humphreys County Telephone Company, Tellico Telephone Company, Inc. and Tennessee Telephone Company provides the requested information relating to the TDS Interconnection Model (TIM) it proposes to utilize to determine whether the TDS model is TELRIC compliant for the applicability of TELRIC wireless interconnection rates

The following information requested by the TRA includes:

1. Overview of TDS Interconnection Model and detailed explanations as to the model being TELRIC compliant,
2. A hard copy of the model proposed by TDS TELECOM; and
3. An electronic copy in Microsoft Excel with formulas, calculations and notes Inputs have not been included at this time as they are not required for this September 28, 2005 filing.

TDS Telecom Overview of TELRIC Compliant Model

The TDS Interconnection Model (TIM) adheres to the FCC cost principles as mentioned in Section 51.505 of the FCC's rules[1]. The model's underlining premise is that the model utilizes long run incremental cost of switching and termination costs of TDS's network (excluding loop cost for the provision of services to wireless carriers) and includes a reasonable allocation of forward-looking common costs.

The TIM model is built utilizing the most efficient network with today's technology at the lowest cost available from TDS suppliers and is built utilizing existing locations of the wire center. The model begins by building the central offices and transport facilities of the network at each of TDS's existing locations of the wire center as allowed under section 51.505(b)(1)

TDS engineering practices and the TIM utilize an efficient network of the future based on standard engineering practices as well as the most current pricing information as available from TDS vendors. The TIM does not utilize embedded investment amounts in developing the network. The TIM, which is attached, relates forward looking investments to an overall cost which will include, a cost of money component, depreciation, taxes, maintenance, as well as a reasonable share of common costs, as define in Section 51.505 (a)(2). The TIM costs do not include retail costs such as customer service, marketing, or billing and collection costs, which is consistent of a TELRIC compliant model.

The deployment of the switches and the transport are engineered by professionals that are committed in providing innovative and consistently high quality efficient network solutions to TDS's customers. The network is built utilizing engineering specifications and practices with technology that is available today. The cost of facilities, to transport traffic within and outside the

[1] FCC Part 51 – Interconnection, Subpart F – Pricing of Elements

network, will be consistent with TELRIC principals. The pricing of the switches and building of fiber is based upon the most recent contractual vendor pricing.

To determine the investment of buildings, motor vehicles, work equipment, and their associated carrying costs, the model assumes the additional investment in support assets will be the same as the existing ratio of total support assets to total direct assets.

The TIM uses the most current 3 year average expense to asset ratios from company specific income statements and balance sheets as the basis to develop forward looking direct expenses These relationships of expenses to related assets are adjusted for inflation and other known and measurable factors. The resulting expense factors are applied to TELRIC forward looking investments to calculate projected direct, shared and common expenses on a forward looking long run incremental basis as prescribed by the FCC in Section 51.505(c)(1).

TDS TELECOM DETAILED EXPLANATION OF THE INTERCONNECTION MODEL

The following document is a detailed explanation of the inputs, calculations, and methodology of how TDS proposes to develop a TELRIC compliant interconnection cost model for use with each of the TDS Tennessee Companies.

NOTES:

1. All numbers that appear in blue are inputs
2. All numbers and letters in red are in reference to this document only
3. All calculations, formulae, methods, and procedures contained, or described within, are internally developed by TDS Telecom and are the intellectual property thereof.

Tab #1 - Company Info & Parameters

Tab 1 is the starting point for development of the TDS wireless interconnection rate. The base input includes the company specific exchange information as well as the data required for forward looking investment development. The following list describes the basic data entry required for the columns across the top of this tab. The parameters of the interconnection model are all located in Column D of this tab and are explained below in detail.

Basic Data Entry for TDS Interconnection Model:

A) Exchange Name – simply a written description of which exchange will occupy this particular line – most often this is the town name (do we need to say "town name" ?)

B) Host / Remote – data label designed to determine if this exchange will be a host or a remote within the future network

C) Access Lines – forecasted access lines for that particular exchange – used in determining switch investment as well as transport requirements

D) Switching Investment – This cell develops the starting investment used in the overall analysis – The development follows the below set of calculations:

   a. For Host Switches.

$$\frac{\text{(Base Host Investment + (Variable Host Investment Per Line x Access Lines))}}{\text{Switching Fill Factor}}$$

   Base Host Investment: Input – Host_BaseInv – Cell D25
   Variable Host Investment per Line: Input – Host_VarInv – Cell D26
   Access Lines: From column C above
   Switching Fill Factor: Input – Switch_Fill - TDS internally developed forward-looking estimation of total use – Cell D23

   b. For Remote Switches:

$$\frac{\text{(Base Remote Investment + (Variable Remote Investment Per Line x Access Lines))}}{\text{Switching Fill Factor}}$$

   Base Host Investment: Input – Remote_BaseInv – Cell D27
   Variable Host Investment per Line: Input – Remote_VarInv – Cell D28
   Access Lines: From column C above
   Switching Fill Factor: Input – Switch_Fill - TDS internally developed forward-looking estimation of total use – Cell D23

E) Switching Minutes of Use – Input – total forecasted MOU switched by that particular switching office.

F) Interoffice Minutes of Use – Input – total forecasted interoffice MOU transported between those particular switching offices.

Parameters used in TDS Interconnection Model:

The following is a list of descriptions of the parameters or inputs used in the TDS Telecom model. All values and assumptions used are designed to produce TELRIC type results. All ratios are inherently TELRIC compliant in that they are applied to forward-looking variables and are based upon forecasted expectations.

1) Switch Engineering – This is the percentage of overall cost associated with the planning, development, and design of the switch architecture used for this particular exchange.

2) Central Office Power Factor – A ratio designed to capture the associated power related equipment used for the theoretical switch This percentage is designed to capture the batteries, grounding equipment, generators, and other critically necessary power related items for that particular exchange.

3) Transport Engineering – This is the percentage of overall transport related costs that is attributed to the planning, design, and development of the transmission and transport layout.

4) Transport Power Factor - A ratio designed to capture the associated power related equipment used for the transport equipment utilized in the theoretical network. This percentage is designed to capture the batteries, grounding equipment, generators, and other critically necessary power related items for that particular exchange.

5) Switch Port Fill Factor – This is the forward-looking estimate of how much of the switch will actually be used.

6) Transport Termination Fill Factor – This is the ratio used to develop the costs of deploying an outside plant network based on actual locations and estimation of approximate usage of that network.

7) Common Host Switch Investment – This is the dollar amount that is used as a base investment for Host Switches. It will be a number developed based on forward-looking starting investment in developing a switching network at each host type exchange.

8) Variable (per Line) Host Switch Investment – This is the dollar amount per line that is added to the base Host Switch investment to "grow" the switch to the appropriate size under a future environment. It is important to note that only lines that will actually be switched in that particular exchange will receive this additive.

9) Common Remote Switch Investment - This is the dollar amount that is used as a base investment for Remote Switches It will be a number developed based on forward-looking starting investment in developing a switching network at each remote type exchange.

10) Variable (Per Line) Remote Switch Investment - This is the dollar amount per line that is added to the base Remote Switch investment to "grow" the switch to the

appropriate size under a future environment. It is important to note that only lines that will actually be switched in that particular exchange will receive this additive.

11) Main Distribution Frame (Per Line) – This is the forward-looking per line cost of a Main Distribution Frame.

12) Business Days Per Month – The actual number of annual business days.

13) Percent of Daily MOU Assigned to Busy Hour – A forward-looking percentage estimate of how many of the daily calls will occur during the busiest hour of the day.

14) Maximum Trunk Occupancy in CCS – An industry standard capacity in CCS's on a trunk.

15) Trunks per DS-1 – 24.

16) DS-1s per DS-3 – 28.

17) Transmission Multiplexing (DS-3) Per Card (1 DS-3) – An estimated dollar amount cost of one DS-3 card in a carrier-class type OC-XX transmission system.

18) Transmission Multiplexing (DS-1) Per Card (7 DS-1s) – An estimated dollar amount cost of one DS-1 card (capable of muxing 7 DS-1s) in a carrier-class type OC-XX transmission system.

19) Digital Cross Connect (DS-1) Per 84 DS-1s – The dollar amount of investment required to provide digital cross connection at that particular exchange with a maximum of 84 DS-1s per unit This dollar amount is broken down into a per DS-1 investment.

20) Transmission Terminal OC-3 – The forward-looking base investment of a carrier-class OC-3 terminal and associated electronics.

21) Transmission Terminal OC-12 – The forward-looking base investment of a carrier-class OC-12 terminal and associated electronics.

22) Transmission Terminal OC-48 – The forward-looking base investment of a carrier-class OC-48 terminal and associated electronics.

23) Transmission Terminal OC-96 – The forward-looking base investment of a carrier-class OC-96 terminal and associated electronics.

24) Average Fiber Investment Per Foot – This variable is determined by developing the percentage probability of each type of fiber for each TDS company and multiplied by the associated future estimates of costs aligned with each type. The result is then summed to arrive at a forward-looking estimate of investment in each foot of fiber plant. (See table on the bottom of the Company Info & Parameters tab).

Tab #2 - ACF Calculations

This tab contains the annual charge factor calculations used in the TDS Interconnection Model. All numbers in blue represent inputs. The first set of inputs, or parameters, are contained within column M, and are described below. The other inputs used in this tab are in columns R and S, and represent "financial type" information. The following list details the parameters used and provides an overview of how they are used in the model.

1) Digital Switching Life – The number of years over which the digital switching equipment is to be depreciated.

2) Circuit Equipment Life – The number of years over which the circuit type electronics (transmission equipment) is to be depreciated.

3) Outside Plant Life – The number of years over which the physical fiber cable is to be depreciated.

4) Digital Switching Salvage Value – A percentage value input that is the representative cost of removing the equipment.

5) Circuit Equipment Salvage Value – A percentage value input that is the representative cost of removing the equipment.

6) Outside Plant Salvage Value – A percentage value input that is the representative cost of removing the outside plant.

7) Cost of Money – This is the future cost of capital developed from Debt Cost, Debt Percentage, and Equity Percentage and Equity Cost.

8) Debt Cost – This is the company's forward-looking weighted average cost of debt.

9) Debt % – This is the company's forward-looking debt level percentage of total capital.

10) Equity Cost – This is the company's forward-looking cost of equity.

11) Effective Income Tax Rate – This is the percentage representation of the company's composite tax rate.

12) Equity Gross-Up Factor – This is a calculation used to allow for taxes. Please see formula description below:

$$\frac{\text{Effective Income Tax Rate}}{(1 - \text{Effective Income Tax Rate})} * \frac{\text{Equity Cost} * (1 - \text{Debt } \%)}{\text{Cost of Money}}$$

13) Labor Inflation Rate – The percentage increase of forecasted labor costs over a year by year period for a highly trained and dedicated staff to manage, repair, and service customers that use the forward-looking network.

14) Non-Labor Adjustment Rate – The percentage increase or decrease of non-labor related expenses; (can include such items as power costs, gasoline, and insurance)

15) Motor Vehicle – The economic life of a motor vehicle.

16) Aircraft – The economic life of aircraft.

17) Special Purpose Vehicle – The economic life of special purpose vehicles.

18) Garage Work Equipment – The economic life of garage work equipment.

19) Other Work Equipment – The economic life of other work equipment.

20) Land and Buildings – The economic useful life of such.

21) Furniture and Artwork – The economic useful life of such.

22) Office Equipment – The economic useful life of such.

23) General Purpose Computers – The economic useful life of such.

All formulas contained within this tab reference only data available within the tab and are easily audited using Excel's built in auditing functions. The calculations contained within this tab yield an annual charge factor for each of the investment categories used, that is TELRIC compliant in both development procedures and in results.

Tab #3 - Switch Calculations

This tab contains the key calculations used to develop the forward-looking cost of the switching assets necessary to accomplish the basic switching requirements of interconnection with a wireless carrier. The lower sections of this tab, referenced below by 1 - 10, are the calculations that develop the overall investment required The upper section of this tab, referenced below as A - R, are the development of costs associated with the below section's developed theoretical investments. Both the Company Info & Parameters tab and the ACF Calculations tabs are referenced within this tab. As with any fully functional, unprotected Excel workbook, all functions, formulae, and calculations are easily followed by using the built in auditing functions found in Excel.

Cost Development Calculations (Upper portion of the tab)

A) Total Common Switching Investment – The sum of the Total Switching Electronics column. (Column H – Labeled #7)

B) Total Main Dist. Frame Investment – The sum of the Main Dist Frame and Protection column (Column I – Labeled #8)

C) Total End Office Switching Investment – Summation of A & B above

D) Annual Cost Basis For Switching – Total End Office Switching Investment (A) multiplied by the base annual charge factor for digital switching (Cell H18 of the ACF Calculations Tab)

E) Annual Cost Basis for Main Distribution Frame – Total Main Dist Frame Investment (B) multiplied by the base annual charge factor for digital switching (Cell H18 of the ACF Calculations Tab)

F) Allocation of Direct Switching Expenses – Total End Office Switching Investment (Total End Office Switching Investment (A) + Total Main Dist Frame Investment (B)) multiplied by the direct portion of the digital switching annual charge factor (Cell H26 of the ACF Calculations tab)

G) Allocation of Shared Expenses – Total End Office Switching Investment (Total End Office Switching Investment (A) + Total Main Dist Frame Investment (B)) multiplied by the shared portion of the digital switching annual charge factor (Cell H49 of the ACF Calculations tab)

H) Allocation of Common Expenses – Annual Cost Basis for Switching (D) plus the Annual Cost Basis for Main Dist. Frame (E) multiplied by the common portion of the digital switching annual charge factor (Cell H68 of the ACF Calculations tab)

I) Total Switching Related Costs – Total Switching Related Costs (D + E)

J) Total Switching Related Expenses – Summation of Allocation of Direct Switching Expenses (F), Allocation of Shared Expenses (G), and Allocation of Common Expenses (H)

K) Total Annual Switching Costs – Total Switching Related Costs (I) + Total Switching Related Expenses (J)

L) Allocated Costs to Ports (Access Lines) – Total Annual Switching Costs (K) multiplied by the NTS portion of the switch (30%)

M) Allocated Costs to Switching (MOU Demand) – Total Annual Switching Costs (K) multiplied by the TS portion of the switch (70%)

N) Total Access Lines – Summation of Access Lines (Column D – Labeled #3)

O) Total MOU – Total Minutes of Use (Company Info & Parameters Tab – Summation of cells F6 through F15)

P) Annual Per Port Cost – Allocated Costs to Ports (L) divided by Total Access Lines (N)

Q) Monthly Per Port Cost – Annual Per Port Cost (P) divided by 12 months

R) Cost Per MOU – Allocated Costs to Switching (MOU Demand) (M) divided by Total MOU (O)

Investment Development Calculations (Lower portion of the tab)

1) Exchange Name – A written description of which exchange will occupy this particular line (Direct feed from Company Info & Parameters tab, Cells B6 through B15)

2) Host / Remote – Data label designed to determine if this particular exchange will be a host exchange or a remote exchange in the future theoretical network (Direct feed from the Company Info & Parameters tab, Cells C6 through C15)

3) Access Lines – Forecasted access lines for that particular exchange (Direct feed from the Company Info & Parameters tab, Cells D6 through D15)

4) Switching Investment – As described with the write-up for the Company Info & Parameters tab, as the calculation actually occurs on that tab. (Direct feed from the Company Info & Parameters tab, Cells E6 through E15)

5) Engineering – Switching Investment in Column E (Labeled #4) multiplied by the Switch Engineering Percentage (Company Info & Parameters tab, Cell D19)

6) Power – Switching Investment in Column E (Labeled #4) multiplied by the Switch Engineering Percentage (Company Info & Parameters tab, Cell D20)

7) Total Switching Electronics – Summation of Switching Investment (4), Engineering (5), and Power (6)

8) Main Dist Frame and Protection – Access Lines (3) multiplied by the Main Distribution Frame (Per Line) parameter (Company Info & Parameters tab, Cell D29)

9) Total Switch Related Investments – Summation of Total Switching Electronics (7) and Main Dist Frame and Protection (8)

10) Row 31 of this tab contains summations of the above investment related information.

Tab #4 - Transport Calculations

This tab contains the key calculations used to develop the forward-looking cost of the transmission and transport investments necessary to accomplish interconnection with a wireless carrier. The lower sections of this tab, referenced below by 1 - 12, are the calculations that develop the overall investment required. The upper section of this tab, referenced below as A - Q, are the development of costs associated with the below section's developed theoretical investments. Both the Company Info & Parameters tab and the ACF Calculations tabs are referenced within this tab. As with any fully functional, unprotected Excel workbook, all functions, formulae, and calculations are easily followed by using the built in auditing functions found in Excel.

Cost Development Calculations (Upper portion of the tab)

A) Total Transmission Terminal Investment – Summation of Required Transmission Terminal Investment (Column K – Labeled #10).

B) Total Digital Cross Connect Investment – The sum of the Required Digital Cross Connection Investment (Column L – Labeled #11).

C) Total Interoffice Facility Investment – Overall forward-looking fiber investment calculated in (Q) and summarized here.

D) Total Transmission Investment – Total Transmission Terminal Investment (A) + Total Digital Cross Connect Investment (B) + Total Interoffice Facility Investment (C).

E) Annual Cost Basis of Terminal – Total Transmission Terminal Investment (A) multiplied by the base annual charge factor for circuit and termination equipment (Cell I18 of the ACF Calculations Tab).

F) Annual Cost Basis of Digital Cross Connect – Total Digital Cross Connect Investment (B) multiplied by the base annual charge factor for circuit and termination equipment (Cell I18 of the ACF Calculations Tab)

G) Annual Cost Basis of Facility – Total Interoffice Facility Investment (C) multiplied by the base annual charge factor for outside plant cable and equipment (Cell J18 of the ACF Calculations Tab).

H) Allocation of Direct Transport Expenses – Total Transmission Terminal Investment (A) plus the Total Digital Cross Connect Investment (B) multiplied by the direct portion of the circuit and termination equipment annual charge factor (Cell I26 of the ACF Calculations Tab) then added to Total Interoffice Facility Investment (C) multiplied by the direct portion of the outside plant cable and equipment annual charge factor (Cell J26 of the ACF Calculations Tab).

I) Allocation of Shared Expenses - Total Transmission Terminal Investment (A) plus the Total Digital Cross Connect Investment (B) multiplied by the shared portion of the circuit and termination equipment annual charge factor (Cell I49 of the ACF Calculations Tab) then added to Total Interoffice Facility Investment (C) multiplied by the direct portion of the outside plant cable and equipment annual charge factor (Cell J49 of the ACF Calculations Tab)

J) Allocation of Common Expenses – Annual Cost Basis of Terminal (E) plus Annual Cost Basis of Digital Cross Connect (F) multiplied by the common portion of the circuit and termination equipment annual charge factor (Cell I68 of the ACF Calculations tab) then added to the Annual Cost Basis of Facility (G) multiplied by the common portion of the outside plant cable and equipment annual charge factor (Cell J68 of the ACF Calculations tab)

K) Total Annual Transmission Costs – Summation of Annual Cost Basis of Terminal (E), Annual Cost Basis of Digital Cross Connect (F), Annual Cost Basis of Facility (G), Allocation of Direct Transport Expenses (H), Allocation of Shared Expenses (I), and Allocation of Common Expenses (J).

L) Total Costs (MOU Demand) – Total Annual Transmission Costs (K) direct feed from cell F14.

M) Total MOU - Total Interoffice Minutes of Use from column E below (Labeled #4).

N) Cost Per MOU – Total Costs (MOU Demand) (L) divided by Total MOU (M)

O) Composite Airline Miles – Composite miles of interoffice fiber needed to transport traffic between wire centers (Direct feed from the Company Info & Parameters tab, Cell H6).

P) Total Footage of Interoffice Route – Composite Airline Miles (O) multiplied by the number of feet per mile.

Q) Overall Fiber Investment – Total Footage of Interoffice Route (P) multiplied by the forward-looking developed cost of fiber per foot (Direct feed from the Company Info & Parameters tab, Cell D42).

Investment Development Calculations (Lower portion of the tab)

1) Exchange Name – Simply a written description of which exchange will occupy this particular line (Direct feed from Company Info & Parameters tab, Cells B6 through B15).

2) Host / Remote – Data label designed to determine if this particular exchange will be a host exchange or a remote exchange in the future theoretical network (Direct feed from the Company Info & Parameters tab, Cells C6 through C15).

3) Access Lines – Forecasted access lines for that particular exchange (Direct feed from the Company Info & Parameters tab, Cells D6 through D15).

4) Allocated Interoffice Minutes of Use – Interoffice MOU (Company Info & Parameters Tab – Summation of cells G6 through G15).

5) Busy Hour MOU Trunk Demand – This calculation develops the number of DS-1s required to transport the interoffice MOU. The calculation works as follows; Allocated Interoffice Minutes of Use (#4) multiplied by Seconds per Minute (60) all divided by Business Day per Year (Company Info & Parameters, Cell D30). This result is then multiplied by the Busy Hour Percentage (Company Info & Parameters, Cell D31) with the whole thing then being divided by the number of seconds in one CCS (One Hundred Seconds – 100). This result is then divided by the Maximum Trunk Capacity CCS (Company Info & Parameters, Cell D32) to arrive at the required DS-1s.

6) Required DS-1 Appearances at Each End Office – This calculation determines the number of DS-1s at each end office per the following formula; Busy Hour MOU Trunk Demand (#5) divided by Trunks per DS-1 (Company Info & Parameters Tab, Cell D33). This result is then rounded up to the next whole number.

7) Required DS-3s to Support MOU Demand – A calculation that converts the Required DS-1 level to DS-3 level per the calculation; Required DS-1 Appearances at Each End Office (#6) divided by DS-1s per DS-3 (Company Info & Parameters Tab, Cell D34). The result must be at least one, and therefore the calculation is properly rounded.

8) Transmission Terminal Investment – Determines the fiber terminal investment based upon the number of DS-3s required. If the total number of DS-3s is less than 3,12, or 48, then the corresponding investment is used per the table in the parameters section of the Company Info & Parameters Tab (Cells D38 through D41).

9) Transmission Multiplexing Equipment Investment – Determines the investment required in DS-3 Multiplexing Cards. Required DS-3s to Support MOU Demand (#7) multiplied by the per Card Cost of DS-3s (Company Info & Parameters Tab, Cell D35) plus the appropriate number of DS-1 Cards: Required DS-1 Appearances at Each End Office (#6) divided by card capacity (7), rounded properly, and then multiplied by the per Card Cost of DS-1s (Company Info & Parameters Tab, Cell D36).

10) Required Transmission Terminal Investment – Addition of Transmission Terminal Investment (#8) and Transmission Multiplexing Equipment Investment (#9) both multiplied by one plus the Transport Engineering and Power Ratios (Company Info & Parameters Tab, Cell D21, and Cell D22) all divided by the Transport Fill Factor (Company Info & Parameters Tab, Cell D24).

11) Required Digital Cross Connection Investment – The calculation used to develop the proper cost of digital cross connection panels. Required DS-1 Appearances at Each End Office (#6) multiplied by the DSX Cost per DS-1 (Company Info & Parameters Tab, Cell D37) all divided by the Transport Fill Factor (Company Info & Parameters Tab, Cell D24).

12) Row 29 of this tab contains simple summations of the above investment related information.

Tab #5 - Results

This tab contains a summarization of all results calculated in both the Switching Calculations and Transport Calculations tabs It is designed to be a one page summary of all relevant costs associated with providing the switching and transport services to wireless carriers utilizing TELRIC study methodology. The three sections on this tab represent the key components of providing such interconnection services; the switching, the transport, and the development of the rate. Included in this section is a cost of complying – model modification, legal fees and regulatory time incurred as a result of preparing, filing, responding to TRA and CMRS data requests, testimony, and hearings concerning the TDS TELRIC compliant cost model – within Docket No. 03 -00585 cost model review.

BEFORE THE
TENNESSEE REGULATORY AUTHORITY

Petition of:	)	
	)	
Cellco Partnership d/b/a Verizon Wireless	)	**Consolidated Docket**
For Arbitration Under the	)	**No. 03-00585**
Telecommunications Act of 1996	)	

CenturyTel of Adamsville, Inc.,
CenturyTel of Claiborne, Inc., and
CenturyTel of Ooltewah-Collegedale, Inc.
Cost Study Methodology and Description

CenturyTel of Adamsville, Inc , CenturyTel of Claiborne, Inc , and CenturyTel of Ooltewah-Collegedale, Inc (collectively referred to as "CenturyTel") submit this response in accordance with the statements and directions of the Arbitration Panel at the September 7, 2005 hearing in the above-referenced proceeding[1] Specifically the TRA asked that the rural LECs ensure that the Authority has a copy of a TELRIC cost model that the rural LEC would propose to utilize to establish rates in the above-referenced proceeding The TRA also requested explanation regarding how the TELRIC cost model works

In the event that CenturyTel is lawfully required to utilize a TELRIC cost methodology to establish rates in this or any other proceeding, CenturyTel would utilize the Hatfield (HAI) model, consistent with the information provided to the TRA by the Rural Coalition of Small Local Exchange Carriers and Cooperatives (the "Coalition") on behalf of CenturyTel and other rural LECs on August 11, 2005

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1 In addition, PBA incorporates by reference its previous portion of the filing submitted on behalf of the Coalition on August 11, 2005

CenturyTel recognizes that the TRA is already fully familiar with the specifics of the HAI model and the details regarding how this cost model methodology works. The TRA has previously recognized that "While no model is expected to achieve infallible results, several models will produce reasonably close estimates of the near-term future costs "[2] The TRA further noted that the Hatfield model is not "inherently inconsistent with the FCC's TELRIC methodology "[3]

In order to avoid placing an otherwise unnecessary procedural and administrative burden on the TRA, CenturyTel respectfully responds to the September 7 request for information regarding a specific TELRIC cost methodology by referring all parties to the well established HAI model as the cost model methodology that CenturyTel would utilize if and when it is lawfully required to establish rates on a TELRIC basis. The model itself and supporting documentation are already on file with the TRA so there is no need to duplicate that filing herein CenturyTel further refers the parties to the existing TRA analysis and approval of this model. The model can also be obtained from the FCC's website at http://www fcc.gov/wcb/tapd/hcpm/welcome.html

As the Coalition has noted previously before the TRA, the FCC has indicated that a rural LEC such as CenturyTel is not subject to the FCC's TELRIC pricing rules under Sec 252 of the Communications Act of 1934, as amended, unless a state regulatory authority first removes the rural LEC's Sec. 251(f)(1) exemption in a formal proceeding initiated pursuant to a carrier request where the burden of proof for removal of the

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[2] Docket No 97-01262, "Petition to Convene a Contested Proceeding to Establish Permanent Prices for Interconnection and Unbundled Network Elements," Interim Order issued January 25, 1999, p 9

[3] *Id*

exemption is upon the requesting party Specifically in the context of reciprocal compensation transport and termination pricing addressed in its August 8, 1996 Interconnection Order, the FCC stated in response to rural concerns regarding the potential imposition of TELRIC pricing rules. "We also note that certain small incumbent LECs are not subject to our rules under section 251(f)(1) unless otherwise determined by a State Commission" The administrative burden of performing TELRIC cost studies, for example, is but one factor that determined the existing FCC policy of TELRIC being not applicable to rural companies This and other matters related to the presumed adverse impact on universal service and economic burden on a rural LEC would have to be addressed by a requesting party in a formal 251 (f) (1) proceeding.

While CenturyTel respectfully submits this response in the spirit of cooperation with the processes established by the Authority, CenturyTel restates and adheres to the position that the Coalition has set forth throughout this proceeding The imposition of TELRIC cost methodology on CenturyTel and other rural LECs has no legal basis under current law and is contrary to the public interest In addition and as the Authority is aware, no Arbitration Order in this proceeding has been issued Accordingly, CenturyTel reserves its right to act to the extent necessary to comply with existing law, to require the compliance of others with existing law, to avoid the imposition of the administrative and economic burden associated with the performance of TELRIC cost studies, and to seek review of the Authority's Order when it is issued and released.

BEFORE THE
TENNESSEE REGULATORY AUTHORITY

Petition of:	)	
	)	
Cellco Partnership d/b/a Verizon Wireless	)	**Consolidated Docket**
For Arbitration Under the	)	**No. 03-00585**
Telecommunications Act of 1996	)	

CHR Solutions
Forward Looking Model ("FLM")
Transport and Termination Costs
Submitted On Behalf Of
North Central Telephone Cooperative, Inc,

CHR Solutions ("CHR") , on behalf of North Central Telephone Cooperative, Inc, submits this response in accordance with the statements and directions of the Arbitration Panel made at the September 7, 2005 hearing in the above-referenced proceeding. Specifically the TRA asked that the rural LECs ensure that the Authority has a copy of a TELRIC or Forward Looking Cost Model that a rural LEC would propose to utilize to establish rates in the above-referenced proceeding. In addition, the TRA requested explanation regarding how the TELRIC cost model works. The following is a description of how the CHR model works. In addition, CHR incorporates by reference its previous portion of the filing submitted on behalf of the Coalition on August 11, 2005

CHR has prepared a model in the form of an Excel spreadsheet that is divided into three basic sections: investment; operating expenses and taxes and rate development. The sub-categories contained in those three sections should be self-explanatory

Using this model, the Forward-Looking Economic Cost ("FLEC") that will be developed for Central Office Transmission and Cable and Wire Facilities Inter-Exchange and Exchange Trunk (EAS) equipment will be based upon engineering estimates. That elemental cost will be assigned to Transport Cost.

In order to determine switching costs, the CHR will identify and quantify Central Office traffic switching, and determine the FLEC cost for the traffic-sensitive switching.

As additional inputs into this model, CHR will develop company specific carrying charge ratios (CCR) in accordance with the following. First, account-specific, equipment and expense will be divided by the total company Central Office equipment plus the cable and wire facilities investment from the company's records. Accounts-specific common CCRs will be applied to the sum of switching, tandem switching, and transport investment.

Plant-specific expense will be divided by the total company Central Office equipment cost or cable and wire facilities cost (as appropriate) from the company's financial and accounting records A plant-specific CCR will be applied to the cost of equipment investment (switching and/or tandem switching), or transport investment as appropriate.

Depreciation expense will be based on the economic lives of plant categories. Accumulated depreciation reserves will be developed from net present value analysis of economic lives and assigned as appropriate to plant categories.

The switching rate element will equal the switching revenue requirement divided by the total (local access/toll and inter-connection) traffic sensitive switched minutes of use Similarly, the tandem switching rate will equal the tandem switching revenue requirement divided by inter-exchange (access/toll and inter-connection) traffic sensitive minutes of use. The transport rate will equal the transport revenue requirement divided by inter-change (access/toll and inter-connection) traffic sensitive minutes of use. The total revenue requirement is equal to the return on net investment, plus expenses assigned to each element.

As a result of the calculations evidenced by the spreadsheet submitted by CHR, the annual demand cost per minutes of use will be calculated for the switching, tandem switching and transport elements, individually and as a total.

In summary:

- FLEC developed for Central Office Transmission and Cable & Wire Facilities Inter-exchange and Exchange Trunk (EAS) equipment based upon engineering estimates. Assigned to Transport.

- Central Office Switching traffic sensitive FLEC identified. Assigned to Switching

- Company specific Carrying Charge Ratios (CCR) are developed as follows:

  - Account-specific Common Equipment / Expense is divided by Total Company COE + CWF investment from Company records

  - Account-specific Common CCRs are applied to sum of Switching, Tandem Switching and Transport investment.

  - Plant Specific Expense is divided by Total Company COE or CWF (as appropriate) from Company records.

  - Plant Specific CCR is applied to COE investment (Switching, Tandem Switching) or Transport investment (Transport) as appropriate.

- Depreciation Expense based on economic lives of plant categories. Accumulated Depreciation Reserves developed from Net Present Value analysis of economic lives and assigned as appropriate to plant categories.

- Revenue Requirement is equal to Return on Net Investment plus expenses assigned to each element.

- Switching Rate = Switching Revenue Requirement divided by Total (Local, Access/Toll and Interconnection) Switched MOU.

- Tandem Switching Rate = Tandem Switching Revenue Requirement divided by Interexchange (Access/ Toll and Interconnection) Switched MOU.

- Transport Rate = Transport Revenue Requirement divided by Interexchange (Access/Toll and Interconnection) Switched MOU.

BEFORE THE
TENNESSEE REGULATORY AUTHORITY

Petition of:	)	
	)	
Cellco Partnership d/b/a Verizon Wireless	)	**Consolidated Docket**
For Arbitration Under the	)	**No. 03-00585**
Telecommunications Act of 1996	)	

Totherow, Haile & Welch and Lee Olch Consulting
Forward Looking Model ("FLM")
Transport and Termination Costs
Submitted On Behalf Of
Twin Lakes Telephone Cooperative Corporation

The Tennessee Regulatory Authority (TRA) ordered that the Total Element Long-run Incremental Cost (TELRIC) models that will be used to develop interconnection (transport and termination) rates in TRA Docket No. 03-00585 be submitted to the TRA on September 28, 2005. The TRA will evaluate compliance of the models with TELRIC standards The TELRIC cost model to be used for the Twin Lakes Telephone Cooperative (TLTC) cost study is included in this filing in electronic and hard copy versions.

We also provide the following analysis of the TELRIC standards that demonstrates how our cost model and cost study procedures are compliant with TELRIC standards. The analysis identifies four characteristics of the standards. First, the standards primarily specify requirements for inputs and outputs (calculated results) for a model, not for the algorithms in a model. Second, the standards specify classifications or general types of inputs, but they do not prescribe the number of inputs or the methodology for developing inputs. Third, the standards contemplate three separate and distinct studies·

cost measurement, network design, and demand. We address each of the three studies below Fourth, the completed cost study (including all inputs, algorithms, and outputs for network design, cost measurement, and demand projection) taken as a whole must conform to the standards set forth in the FCC's Part 51.505 and 51.511 rules. The final section below analyzes this standard.

I. Cost Measurement

Interconnection rates for transport and termination must conform to the 51.503(b)(1) requirement for "forward-looking economic cost-based pricing methodology". Per 51.505(a) the "forward-looking cost of an element [FLEC] equals the sum of" two cost components:

FLEC = Total Element Long-run Incremental Cost + Forward-Looking Common Cost

TELRIC is the forward-looking cost of the "total quantity of the facilities and functions" that are directly attributable to a specific element. 51.505(b). The "direct" costs mentioned in the rules include plant, cost of capital, and depreciation rates. Other direct costs, not specifically mentioned by the rules, are included in developing TELRIC including day-to-day operating and tax expenses associated with the elements, income taxes, and shared costs such as power and network administration that are attributable to two or more elements. Thus, the value of the TELRIC component is:

TELRIC = Capital Cost + Depreciation Expense + Direct Operating Expense + Shared Operating Expense + Income Tax

The second component of FLEC, Forward-looking Common Costs are those "that cannot be attributed to individual elements or services". 51.505(c)(1)

In addition to specifying the two major cost components of forward-looking cost, the FCC specified four types of costs and cost data that may not be included in FLEC. "Embedded costs", "retail costs", "opportunity costs", and "revenues to subsidize other services" are proscribed from being included.

In conclusion, the cost measurement standards specify several classifications of costs that are to be summed to develop the FLEC of network elements. The summation algorithm is the only algorithm specified in the TELRIC rules. All other references in the sections 51.505 and 51.511 are to inputs and outputs. Our model includes the cost inputs needed to compute the algorithms prescribed by the TELRIC rules Part 51 rules have other cost standards concerning what costs must be measured, but these standards are better understood as network design requirements.

II. Network Design

Part 51 505(b)(1) states three network design standards for the forward-looking network that is the basis for the TELRIC study: "most efficient telecommunications technology currently available", "lowest cost network configuration", and "existing location of the incumbent LEC's wire centers". Only the last requirement provides an algorithm: existing wire center = forward- looking wire center. The other two standards specify requirements for (1) the results of the network design study and (2) the network components for which costs must measured to develop the inputs for cost model.

Most Efficient Technology. The rules do not prescribe algorithms for choosing the most efficient technology. It is the norm in TELRIC studies to include digital switches and SONET on fiber optic rings to conform to this standard. The inputs for our cost model will include costs for these technologies and related network configurations

Lowest Cost Network Configuration. The rules do not prescribe algorithms for designing the lowest cost network configuration. Engineers do use algorithms for network design, but different engineers will reach different conclusions about the design of a lowest cost network configuration for a specific company. This is due in part to differences in education and experience, but even more important is the analysis and judgment that is inherent in designing a forward-looking network. Developing a low cost, most efficient network design for current operating conditions (service mix, demographics, demand, climate, geography, service area size, interconnection with contiguous exchange carriers, grade of service standards required by customers, Universal Service requirements, and lenders, etc.) is a challenging problem of acquiring the right information and making reasonable design trade-offs among competing and conflicting design objectives. A forward-looking network design is more complicated due to the need to forecast changes in operating conditions.

In conclusion, the TELRIC rules for network design state the results of a network design study, i.e. a most efficient, lowest cost network using existing wire centers. The rules do not prescribe algorithms to design A network with these characteristics. A primary task of a TELRIC study is to obtain from the telephone company engineers their design for a most efficient technology, lowest LOW cost network, using existing wire centers, that is consistent with trends in the company's operating conditions. The network design study is currently under way. Our cost model does not include algorithms for the design of this network, but it will include inputs that represent the costs of a forward-looking network (designed by TLTC engineers) as required by TELRIC rules

III. Demand (Traffic) Forecast

Part 51.511(a) provides the only required algorithm for developing demand.

Total Number of Units = Number of Units Provided to Other Carriers + Number of Units Used by ILEC Customers

The rule further states three methodology standards for developing demand.

- Units to Count The units to be counted are the ones that carriers and ILEC customers are "likely to use".
- Time Period for Measurement. Traffic is to be studied "during a reasonable measuring period".
- Forecast Demand. There must be a "reasonable projection" of the demand.

In conclusion, the TELRIC rules define a classification of units to be included in total demand, what units are counted, the time period for measurement, and the result of demand forecasting. These standards are general requirements for developing the demand input(s) for the model, but they do not prescribe specific algorithms or an approach. We are in the process of measuring actual, current switched traffic on TLTC's network. These measurements along with evidence of traffic trends over time will be the basis for forecasting demand That measure of demand will be an input to our cost model.

IV. Cost Study as a Whole

Section 51.505(e) states that the cost study must comply with the methodology in sections 51.505 and 51 511. A cost study includes everything involved in completing a cost study and developing interconnection rates inputs, model, and results of cost measurement, network design, and demand forecast studies. A cost model (for which Part 51 prescribes some algorithms) is a small part of a complete TELRIC cost study. The largest part of a TELRIC study involves the network design, measurement of the cost of network components, and demand measurement as steps in the development of inputs; Part 51 prescribes the characteristics of these inputs and results, but not the algorithms for their development.

The Section 51.505(e) standard is to evaluate a completed cost study for compliance with TELRIC standards. That is what the TRA did in 1999 in *Interim Order on Phase I of Proceeding to Establish Prices for Interconnection and Unbundled Network Elements*, Docket No 97-01262, January 25, 1999. At that point, only after Bell South Telecommunications (BST) had completed its cost study, did the TRA evaluate the cmpliance of BST's cost study with TELRIC standards and order some adjustments

For reasons that are not known to TLTC's cost analysts, in this proceeding the TRA has been urged to evaluate intermediate stages of the TELRIC model itself for compliance with TELRIC standards. We are confident that our model submitted today complies with TELRIC standards. We note, though, that today's submission is in isolation from the rest of the cost study that is currently being prepared And we look forward to submitting a completed cost study to the TRA on December 7, 2005 that also conforms to TELRIC standards.

BEFORE THE
TENNESSEE REGULATORY AUTHORITY

Petition of:	)	
	)	
Cellco Partnership d/b/a Verizon Wireless	)	Consolidated Docket
For Arbitration Under the	)	No. 03-00585
Telecommunications Act of 1996	)	

John Staurulakis, Inc.
Cost Study Methodology and Description

In accord with the *Procedural Schedule for Rate Phase of Proceeding* in the above captioned consolidated docket, John Staurulakis, Inc. (JSI) provided a lengthy and comprehensive summary of its proposed cost study methodology. Despite this description and a detailed response by the CMRS providers, the Tennessee Regulatory Authority (TRA) has requested a copy of the JSI model and a description of the same In this document, JSI provides the TRA with its model and a further description. JSI incorporates as part of this description its initial summary already provided to the TRA. JSI notes the CMRS response to JSI's model contained many factual inaccuracies and mischaracterizations. At some point in this proceeding, JSI welcomes the opportunity to respond to the CMRS response

The JSI model will be used to perform cost studies compliant with Federal Communications Commission's (FCC's) rules. The following ILECs will use JSI's model Ardmore Telephone Company, Inc. (Ardmore), Ben Lomand Rural Telephone Cooperative (Ben Lomand), Crockett Telephone Company, Inc. (Crockett), Highland Telephone Cooperative (Highland), Loretto Telephone Company, Inc (Loretto), Millington Telephone Company (Millington), Peoples Telephone Company, Inc. (Peoples), United Telephone Company (United), West Tennessee Telephone Company, Inc. (West Tennessee) and Yorkville Telephone Cooperative (Yorkville).

<u>TELRIC Regulations</u>

The FCC does not have a specific model it uses or proposes that state commissions use to develop rates for reciprocal compensation. The FCC rule for rates for transport and termination is found in 51.705:

§51 705 Incumbent LECs' rates for transport and termination *(a) An incumbent LEC's rates for transport and termination of telecommunications traffic shall be established, at the election of the state commission, on the basis of:* *(1) The forward-looking economic costs of such offerings, using a cost study pursuant to §§51 505 and 51 511;* *(2) Default proxies, as provided in §51.707; or* *(3) A bill-and-keep arrangement, as provided in §51 713* *(b) In cases where both carriers in a reciprocal compensation arrangement are incumbent LECs, state commissions shall establish the rates of the smaller carrier on the basis of the larger carrier's forward-looking costs, pursuant to §51 711*

Rather than require the use of a specific model, FCC rules permit a carrier to establish forward looking economic cost consistent with specific guiding principles. As referenced in 51.705(a)(1), these guiding principles are found in 47 CFR §§ 51.505 and 51 511 When a model satisfies these principles, the model is *per se* TELRIC compliant (JSI will use the term TELRIC as it is used by the TRA, the FCC's requirements require FLEC or forward-looking economic cost. The difference between TERLIC and FLEC is stated in 47 CFR § 51 505(a)).

As a guide for this description, JSI will quote each subpart of these rules and describe how the model satisfies each requirement.

> *§51.505 Forward-looking economic cost.*
> *(a) In general. The forward-looking economic cost of an element equals the sum of.*
> *(1) The total element long-run incremental cost of the element, as described in paragraph (b), and*
> *(2) A reasonable `allocation of forward-looking common costs, as described in paragraph (c)*

Subpart (a) of rule 51 505 defines forward-looking economic cost or FLEC As mentioned above, FLEC is a specific cost standard that has two components The first is total element long-run incremental cost (TELRIC), the second is a reasonable allocation of common costs. The JSI model calculates both TELRIC and FLEC as discussed below.

> *§51 505*
> *(b) Total element long-run incremental cost. The total element long-run incremental cost of an element is the forward-looking cost over the long run of the total quantity of the facilities and functions that are directly attributable to, or reasonably identifiable as incremental to, such element, calculated taking as a given the incumbent LEC's provision of other elements*
> *(1) Efficient network configuration The total element long-run incremental cost of an element should be measured based on the use of the most efficient telecommunications technology currently available and the lowest cost network configuration, given the existing location of the incumbent LEC's wire centers*
> *(2) Forward-looking cost of capital. The forward-looking cost of capital shall be used in calculating the total element long-run incremental cost of an element*
> *(3) Depreciation rates The depreciation rates used in calculating forward-looking economic costs of elements shall be economic depreciation rates.*

TELRIC represents the reasonable attribution of incremental costs of an element (in this proceeding transport and termination) There are three required properties of TELRIC efficient network configuration, forward-looking cost of capital, and economic depreciation rates. The JSI model uses each of these three required properties. It uses vendor prices for switching, transmission equipment, transmission facility and where available termination equipment and termination facility (also known as traffic-sensitive loop) The vendor costs are compliant with 51 505(b)(1). Where termination equipment and facility costs are not available JSI will use a cost ratio from the FCC's HCPM model. (*See* Page 2 of Exhibit DDM-01)

The forward looking cost of capital is also an input for the model. In many instances, for transport and termination purposes, the current authorized rate of return of 11.25 percent is used as representing the forward looking cost of capital. Contrary to the CMRS providers' suggestion this rate is stale having been adopted in 1990, this rate was recently renewed in 2002 by the FCC as appropriate for rate of return interstate purposes. Notwithstanding, the JSI model uses a forward looking cost of capital as an input to its model. The model also uses economic depreciation rates. (In many cases, the support plant rates used by rural carriers are comparable to economic depreciation rates.) The model levelizes this cost across equipment types to calculate a levelized capital cost and return factor. (*See* Pages 1, 5-8 of Exhibit DDM-01)

51 505
(c) Reasonable allocation of forward-looking common costs
(1) Forward-looking common costs. Forward-looking common costs are economic costs efficiently incurred in providing a group of elements or services (which may include all elements or services provided by the incumbent LEC) that cannot be attributed directly to individual elements or services
(2) Reasonable allocation
(i) The sum of a reasonable allocation of forward-looking common costs and the total element long-run incremental cost of an element shall not exceed the stand-alone costs associated with the element. In this context, stand-alone costs are the total forward-

looking costs, including corporate costs, that would be incurred to produce a given element if that element were provided by an efficient firm that produced nothing but the given element.
(ii) The sum of the allocation of forward-looking common costs for all elements and services shall equal the total forward-looking common costs, exclusive of retail costs, attributable to operating the incumbent LEC's total network, so as to provide all the elements and services offered

The FCC has established specific rules for common costs. The FCC describes "forward-looking common costs as economic costs efficiently incurred in providing a group of elements or services (which may include all elements or services provided by the incumbent LEC) that cannot be attributed directly to individual elements or services."

Common costs must also satisfy a reasonable allocation requirement which states that shared and common allocations, plus TELRIC for an element must not be greater than the forward-looking stand alone costs of the element. Additionally, the sum of allocable forward-looking common costs must equal total forward-looking common costs, except retail costs, that are attributed to operating the ILEC's total network.

Forward-looking common costs, as defined by the FCC, are developed typically through a carrying charge factor. This process involves the development of an expense to investment ratio. The ratio is developed using total ILEC regulated and most-recent-year expenses as compared to total ILEC investments. This percentage is applied to the forward-looking investment. This carrying charge factor process complies with the FCC rules regarding common cost.

Using a carrying charge factor in this manner is consistent with the FLEC standard. (For a discussion and approval of this method by the FCC, *See* Joint Application by BellSouth Corporation, BellSouth Telecommunications, Inc., and BellSouth Long Distance, Inc for Provision of In-Region, InterLATA Services In Georgia and Louisiana, FCC 02-147, MEMORANDUM OPINION AND ORDER, May 15, 2002, ¶¶ 51-64.)

> *51 505*
>
> *(d) Factors that may not be considered. The following factors shall not be considered in a calculation of the forward-looking economic cost of an element.*
>
> *(1) Embedded costs. Embedded costs are the costs that the incumbent LEC incurred in the past and that are recorded in the incumbent LEC's books of accounts,*
>
> *(2) Retail costs. Retail costs include the costs of marketing, billing, collection, and other costs associated with offering retail telecommunications services to subscribers who are not telecommunications carriers, described in §51.609,*
>
> *(3) Opportunity costs Opportunity costs include the revenues that the incumbent LEC would have received for the sale of telecommunications services, in the absence of competition from telecommunications carriers that purchase elements, and*
>
> *(4) Revenues to subsidize other services. Revenues to subsidize other services include revenues associated with elements or telecommunications service offerings other than the element for which a rate is being established*

The factors not to be considered include embedded costs, retail costs, opportunity cots, and subsidized revenues. None of these costs are considered in the calculation of FLEC. Contrary to the CMRS providers' claim, a carrying charge factor does not recover embedded costs because the carrying charge is applied to forward-looking investments. The JSI model complies with 51 505(d).

> *51 505*
>
> *(e) Cost study requirements. An incumbent LEC must prove to the state commission that the rates for each element it offers do not exceed the forward-looking*

economic cost per unit of providing the element, using a cost study that complies with the methodology set forth in this section and §51 511

(1) A state commission may set a rate outside the proxy ranges or above the proxy ceilings described in §51 513 only if that commission has given full and fair effect to the economic cost based pricing methodology described in this Section and §51 511 in a state proceeding that meets the requirements of paragraph (e)(2) of this section.

(2) Any state proceeding conducted pursuant to this section shall provide notice and an opportunity for comment to affected parties and shall result in the creation of a written factual record that is sufficient for purposes of review. The record of any state proceeding in which a state commission considers a cost study for purposes of establishing rates under this section shall include any such cost study.

The JSI model allows the TRA to examine the open source model and inputs to satisfy the requirement in 51 505(e).

§51.511 Forward-looking economic cost per unit.

(a) The forward-looking economic cost per unit of an element equals the forward-looking economic cost of the element, as defined in §51.505, divided by a reasonable projection of the sum of the total number of units of the element that the incumbent LEC is likely to provide to requesting telecommunications carriers and the total number of units of the element that the incumbent LEC is likely to use in offering its own services, during a reasonable measuring period.

The JSI model calculates the forward-looking economic cost of a minute of use The model develops a reasonable projection of the total number of minutes in the rural carrier network The JSI model fully complies with 51.511(a).

51 511

(b)(1) With respect to elements that an incumbent LEC offers on a flat-rate basis, the number of units is defined as the discrete number of elements (e.g., local loops or local switch ports) that the incumbent LEC uses or provides.

(2) With respect to elements that an incumbent LEC offers on a usage-sensitive basis, the number of units is defined as the unit of measurement of the usage (e g , minutes of use or call-related database queries) of the element

The JSI model does not offer transport and termination on a flat-rate basis. The unit of measurement for transport and termination is equivalent to an access minute. The JSI model complies with 51.511(b).

This summary has explained the methodology used by the JSI model. The JSI model fully complies with FCC regulations. JSI notes that transport and termination is defined by the FCC as:

> *§51 701 Scope of transport and termination pricing rules*
> *(a) The provisions of this subpart apply to reciprocal compensation for transport and termination of telecommunications traffic between LECs and other telecommunications carriers.*
> *(b) Telecommunications traffic For purposes of this subpart, telecommunications traffic means:*
> *(1) Telecommunications traffic exchanged between a LEC and a telecommunications carrier other than a CMRS provider, except for telecommunications traffic that is interstate or intrastate exchange access, information access, or exchange services for such access (see FCC 01-131, paragraphs 34, 36, 39, 42-43), or*
> *(2) Telecommunications traffic exchanged between a LEC and a CMRS provider that, at the beginning of the call, originates and terminates within the same Major Trading Area, as defined in §24 202(a) of this chapter.*
> ***(c) Transport. For purposes of this subpart, transport is the transmission and any necessary tandem switching of telecommunications traffic subject to Section 251(b)(5) of the Act from the interconnection point between the two carriers to the terminating carrier's end office switch that directly serves the called party, or equivalent facility provided by a carrier other than an incumbent LEC.***
> ***(d) Termination. For purposes of this subpart, termination is the switching of telecommunications traffic at the terminating carrier's end office switch, or equivalent facility, and delivery of such traffic to the called party's premises.***
> *(e) Reciprocal compensation For purposes of this subpart, a reciprocal compensation arrangement between two carriers is one in which each of the two carriers receives compensation from the other carrier for the transport and termination on each carrier's network facilities of telecommunications traffic that originates on the network facilities of the other carrier*

For purposes of this requirement, transport is the transmission and any necessary tandem switching of telecommunications traffic subject to Section 251(b)(5) of the Act from the interconnection point between the two carriers to the terminating carrier's end office switch that directly serves the called party, or equivalent facility provided by a carrier other than an incumbent LEC. The costs incurred by an RLEC for delivery of traffic to the RLEC network through a third-party are includable as transport. To the extent the RLEC is charged by the transit provider for this service, it will pass-along these expenses to the CMRS provider. Further, depending upon where the CMRS provider chooses to interconnect with the RLEC, RLEC costs of delivering traffic to a point outside the RLEC network are the responsibility of the CMRS provider. There is no interconnection responsibility of the RLEC to interconnect outside its network. Transit costs are clearly part of transport when the CMRS provider does not directly connect with the RLECs. This view is consistent with FCC regulations and RLEC interconnection obligations.

Termination is the switching of telecommunications traffic at the terminating carrier's end office switch, or equivalent facility, and **delivery of such traffic to the called party's premises** TELRIC permits the inclusion of traffic-sensitive costs associated with delivery of traffic to the called party's premise. An example of "traffic sensitive termination" is the delivery of traffic to the line card serving the customer. The loop is the direct connection from the RLEC network to the customer premise. JSI and the CMRS providers agree that non-traffic sensitive costs are not to be included in a termination rate Some efficient network configurations have reduced the loop distance to customers using DLC devices. The facilities connecting the most efficient DLC device locations to the central office are shared facilities that are traffic engineered and traffic sensitive. The costs of these facilities are allowable costs under TELRIC. The loop from the DLC line card to the customer premise remains non-traffic sensitive and is not included under TELRIC. This method is fully consistent with the definition of termination This definition allows for the inclusion of traffic sensitive costs in the delivery to the called party's premises.

	A / B	C	D	E	F	G	H
1	*Company*						
2	*Date*						
3						Tandem	
4		**Allocator**	**Source**	**Total**	**Switching**	**Switching**	**Transport**
5							
6	**<u>INVESTMENT</u>**						
7							
8	**Central Office Equipment**						
9	**Switching**						
10	COE Cat 2 Tandem Switching		Workpaper	0		0	
11	COE Cat 3 Local Switching		Workpaper	0			
12	Traffic Sensitive	100%	Workpaper		0		
13	Non Traffic Sensitive	0%					
14	Total Switching			0	0	0	0
15							
16	**Circuit Equipment**						
17	COE Cat 4 12 Exchange Trunk CCT		Workpaper	0			0
18	COE Cat 4 23 All Other IX CCT		Workpaper	0			0
19	COE Cat 4 3 Host/Remote Msg CCT		Workpaper	0			0
20	Total Circuit		SUM (17 19)	0	0	0	0
21							
22	TOTAL Central Office Equipment		14+20	0	0	0	0
23							
24	**Cable & Wire Facilities**						
25	C & WF Cat 2 Exchange Trunk		Workpaper	0			0
26	C & WF Cat 3 Interexchange		Workpaper	0			0
27	C & WF Cat 4 Host/Remote		Workpaper	0			0
28	TOTAL Cable & Wire Facilities		SUM (25 27)	0	0	0	0
29							
30	**Total COE, CWF**		22+28	0	0	0	0
31							
32	**Common Plant**						
33	Land						
34	Central Office Equipment	0 00%	x Line 22		0	0	0
35	All Other	0 00%	x Line 30		0	0	0
36	Buildings						
37	Central Office Equipment	0 00%	x Line 22		0	0	0
38	All Other	0 00%	x Line 30		0	0	0
39	Vehicles	0 00%	x Line 30		0	0	0
40	Work Equipment	0 00%	x Line 28		0	0	0
41	Furniture	0 00%	x Line 30		0	0	0
42	Office Equipment	0 00%	x Line 30		0	0	0
43	Computers (Less Billing)	0 00%	x Line 30		0	0	0
44	TOTAL Support Facilities		SUM (33 43)		-	-	-
45							
46	**TOTAL Telephone Plant In Service**				**0**	**0**	**0**
47							
48	Material & Supplies	0 00%	x Line 30		0	0	0
49	Cash Working Capital - Interstate	0 00%	x Line 30		0	0	0
50							
51	**Accumulated Depreciation**						
52	COE Switching	0 00%	x Line 14		0	0	0
53	COE Circuit	0 00%	x Line 20		0	0	0
54	C&WF	0 00%	x Line 28		0	0	0
55	Buildings - Central Office Equipment	0 00%	x Line 37		0	0	0
56	Buildings - All Other	0 00%	x Line 38		0	0	0
57	Vehicles	0 00%	x Line 39		0	0	0
58	Work Equipment	0 00%	x Line 40		0	0	0
59	Furniture	0 00%	x Line 41		0	0	0
60	Office Equipment	0 00%	x Line 42		0	0	0
61	Computers (Less Billing)	0 00%	x Line 43		0	0	0
62	TOTAL Depreciation Reserve		SUM (52 61)		0	0	0
63							
64	Other Reserves	0 00%	x Line 46		0	0	0
65							
66	**Net Telecommunications Plant**		46+48+49-62-64		**0**	**0**	**0**
67							
68							

CHR TELRIC MODEL

	A	B	C	D	E	F	G	H
1	***Company***							
2	***Date***							
3							**Tandem**	
4			**Allocator**	**Source**	**Total**	**Switching**	**Switching**	**Transport**
5								
69	**OPERATING EXPENSES & TAXES**							
70								
71	**Direct Expenses**							
72	6210	Total Central Office Switching	0 00%	x Line 14		0	0	0
73	6230	Total Central Office Transmission	0 00%	x Line 20		0	0	0
74	6410	Total Cable & Wire Facilites	0 00%	x Line 28		0	0	0
75	TOTAL Direct Expense			SUM (72 74)		0	0	0
76								
77	**Common Expenses**							
78	6110	Total Network Support	0 00%	x Line 46		0	0	0
79	6120	Total General Support	0 00%	x Line 46		0	0	0
80	6510	Total Oth Prop Plant & Equipment	0 00%	x Line 46		0	0	0
81	6530	Total Network Operations	0 00%	x Line 46		0	0	0
82	6710	Total Executive & Planning	0 00%	x Line 46		0	0	0
83	6720	Total General & Admin	0 00%	x Line 46		0	0	0
84	72xx	Operating Expenses & Taxes	0 00%	x Line 46		0	0	0
85	TOTAL Common Expense			SUM (78 84)		0	0	0
86								
87	**Depreciation Expense**							
88	**Direct**							
89		COE Switching	0 00%	x Line 14		0	0	0
90		COE Circuit	0 00%	x Line 20		0	0	0
91		C&WF	0 00%	x Line 28		0	0	0
92		Buildings - Central Office	0 00%	x Line 14		0	0	0
93								
94	**Common**							
95		Buildings - All Other	0 00%	x Line 38		0	0	0
96		Vehicles	0 00%	x Line 39		0	0	0
97		Work Equipment	0 00%	x Line 40		0	0	0
98		Furniture	0 00%	x Line 41		0	0	0
99		Office Equipment	0 00%	x Line 42		0	0	0
100		Computers (Less Billing)	0 00%	x Line 43		0	0	0
101	Total Depreciation Expense			SUM (89 100)		0	0	0
102								
103	**Total Expenses**			75+85+101		**0**	**0**	**0**
104								
105	Interest Expense		0%	x Line 46		0	0	0
106								
107								
108								
109								
110								

CHR TELRIC MODEL

	A	B	C	D	E	F	G	H
1	*Company*							
2	*Date*							
3							Tandem	
4			Allocator	Source	Total	Switching	Switching	Transport
5								
111	RATE DEVELOPMENT							
112								
113	Net Investment			66		0	0	0
114	Rate of Return			Workpaper		0 0000%	0 0000%	0 0000%
115	Return			113 X 114		0	0	0
116	Less Net Adds/Deducts for FIT			105		0	0	0
117	Less ITC			Workpaper		0	0	0
118	Total FIT Base			115-116-117		0	0	0
119	FIT Gross-up Factor			Workpaper		0 00%	0 00%	0 00%
120	Gross FIT			118 x 119		0	0	0
121	Less ITC			117		0	0	0
122	Net FIT			120 - 121		0	0	0
123	Total SIT Base			118 + 120		0	0	0
124	SIT Rate			Workpaper		0 0000%	0 0000%	0 0000%
125	Net SIT			123 x 124		0	0	0
126	Return + FIT + SIT			115 + 122 + 125		0	0	0
127	Total Expenses, Taxes			103		0	0	0
128	Total Revenue Requirement			126 + 127		0	0	0
129								
130								
131	Annual Demand			Workpaper		-	-	-
132	Cost per MOU			128 / 131	$0 0000	$0 0000	$0 0000	$0 0000

JSI TELRIC MODEL

0

Forward-Looking Economic Cost for Transport and Termination Function

A	B	C	D	E	F	G
Section	Sub	Description	Detail	Unit	Source	Amount
1		Forward-Looking Investment				
	A		Switching	Forward-Looking, $US	FL Investment WS	$ -
	B		Transmission Equipment	Forward-Looking, $US	FL Investment WS	$ -
	C		Transmission Facility	Forward-Looking, $US	FL Investment WS	$ -
	D		Traffic-Sensitive Loop	Forward-Looking, $US	FL Investment WS	#DIV/0!
	E		Support Plant	Forward-Looking, $US	sum(1A-1D)* %	#DIV/0!
2		Levelized Capital Cost and Return Factor				
	A		Switching	Cost per $ of Investment	Level CF WS	#DIV/0!
	B		Transmission Equipment	Cost per $ of Investment	Level CF WS	#NUM!
	C		Transmission Facility	Cost per $ of Investment	Level CF WS	#NUM!
	D		Traffic-Sensitive Loop	Cost per $ of Investment	Level CF WS	#NUM!
	E		Support Plant	Cost per $ of Investment	Level CF WS	#NUM!
3		Forward-Looking Direct Cost Factor				
	A		Switching	Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
	B		Transmission Equipment	Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
	C		Transmission Facility	Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
	D		Traffic-Sensitive Loop	Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
4		Forward-Looking Joint Cost or Shared Cost Factor				
	A		Switching	Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
	B		Transmission Equipment	Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
	C		Transmission Facility	Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
	D		Traffic-Sensitive Loop	Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
5		Forward-Looking Common Cost Fixed Allocator		Cost per $ of Investment	Direct Shared Common CF WS	#DIV/0!
6		Forward-Looking Annual Cost				
	A		Switching	Total $US, Annual	1A*(2A+3A+4A+5)	#DIV/0!
	B		Transmission Equipment	Total $US, Annual	1B*(2B+3B+4B+5)	#NUM!
	C		Transmission Facility	Total $US, Annual	1C*(2C+3C+4C+5)	#NUM!
	D		Traffic-Sensitive Loop	Total $US, Annual	1D*(2D+3D+4D+5)	#DIV/0!
	E		Support Plant	Total $US, Annual	1E*(2E+5)	#DIV/0!
	F		Transport	Total $US, Annual	(SUM(6B 6C)/SUM(6A 6D))*6E	#NUM!
	G		Termination	Total $US, Annual	6E-6F	#DIV/0!
7		Forward-Looking Demand				
	A		Total Switching MOU	Total MOU, Annual	FL DEMAND WS	-
	B		Total Transport MOU	Total MOU, Annual	FL DEMAND WS	-
8		Forward-Looking Economic Cost				
	A		Transport per MOU	FLEC per MOU	SUM(6B,6C,6F)/7B	#NUM!
	B		Termination per MOU	FLEC per MOU	SUM(6A,6D,6G)/7A	#DIV/0!
	C		TOTAL Rate w/o tandem	FLEC per MOU	7A+7B	#NUM!
	D		Terminating Tandem Costs	$/MOU	Input from Tandem	
	E		TOTAL Rate w/ tandem	$/MOU	7C+7D	#NUM!
	F		Delivery to POI outside networ	$/MOU	TBD	

0
Forward-Looking Investment

A	B	C	D	E	F	G
Section	**Sub**	**Description**	**Detail**	**Unit**	**Source**	**Amount**
1		Switching				
	A		Forward-Looking Vendor Switch Cost		Vendor Quote Input	$ -
	B		Switching Fill Factor Adjustment		Input	-
	C		Forward-Looking Switch Cost		1A*1B	$ -
2		Transmission Equipment				
	A		Forward-Looking Vendor Transmission Cost		Vendor Quote Input	$ -
	B		Facility Sharing Transmission Equipment Percentage		Input	0 00%
	C		Forward-Looking Transmission Cost		2A*2B	$ -
3		Transmission Facility				
	A		Fiber Cost per Foot	$US	Vendor Quote	$ -
	B		Host to Meet-Point Distance(s)	Statute Route Miles	Company Data & Vendor Quote	-
	C		Total Fiber Ring Miles	Statute Route Miles	Vendor Quote	-
	D		Facility Sharing Transmission Facility Percentage		Input	0 00%
	E		Total Transmission Facility	$US	3A*5280*SUM(3B 3C)*3D	$ -
4		Traffic-Sensitive Loop -- Transmission from Swtich to In-Field Line Cards (default method if company specific infomration not avail)				
	A		HCPM Gross Loop Plant	Total $US	HCPM	$ -
	B		HCPM DLC Transmission	Total $US	HCPM	$ -
	C		HCPM DLC Percentage	Percentage	4B/4A	#DIV/0!
	D		CWF	Total $US	USOA 2410	$ -
	E		Estimated Gross Loop Plant		4D - 3E	$ -
	F		Forward Looking DLC Transmission		4C*4E	#DIV/0!
	G		Facility Sharing Traffic Sensitive Loop Percentage		Input	
	H		TOTAL Traffic-Sensitive Loop		4F*4G	#DIV/0!
5		Support Plant				
	A		TPIS	Total $US	USOA 2001	$ -
	B		Support Plant	Total $US	USOA 2110 2120	$ -
	C		Support Plant Percentage	Percentage	5B/5A	#DIV/0!

Confidential

0
Forward-Looking Direct, Shared and Common Cost Factors

A	B	C	D	E	F	G
Section	**Sub**	**Description**	**Detail**	**Unit**	**Source**	**Amount**
1		Transport and Termination Costs				
	A		COE Maintenance Expense	$US	USOA 6210 6220	$ -
	B		Network Support	$US	USOA 6110	$ -
	C		General Support	$US	USOA 6120	$ -
	D		Network Operations	$US	USOA 6530	$ -
	E		Materials and Supplies	$US	USOA 1220	$ -
	F		CWF	$US	USOA 6410	$ -
	G		CO Transmission Expense	$US	USOA 6230	$ -
2		Transport and Termination Investments				
	A		COE Switching	$US	USOA 2210	$ -
	B		COE Operator	$US	USOA 2220	$ -
	C		COE Transmission	$US	USOA 2230 - 2D	$ -
	D		Transport	$US	USOA 2230 cat 4 12 4 23 4 3	$ -
	E		CWF	$US	USOA 2410	$ -
	F		TPIS	$US	USOA 2001	$ -
3		Direct Transport and Termination Factors				
	A		Switching	Annual Charge Factor	1A/SUM(2A 2C)	#DIV/0!
	B		Transmission Equipment	Annual Charge Factor	1G/2C	#DIV/0!
	C		Transmission Facility	Annual Charge Factor	1F/2E	#DIV/0!
	D		Traffic-Sensitive Loop	Annual Charge Factor	1F/2E	#DIV/0!
4		Shared Transport and Termination Factors				
	A		Network Support	Annual Charge Factor	1B/2F	#DIV/0!
	B		General Support	Annual Charge Factor	1C/2F	#DIV/0!
	C		Network Operations	Annual Charge Factor	1D/2F	#DIV/0!
	D		Materials and Supplies	Annual Charge Factor	1E/2F	#DIV/0!
5		Common Costs				
	A		Corp Operations	$US	USOA 6710 6720	$ -
	B		Operating Taxes	$US	USOA 7200	$ -
	C		Uncollectibles	$US	USOA 5300	$ -
6		Common Cost Factor		Annual Charge Factor	SUM(5A 5C)/2F	#DIV/0!

0

Forward-Looking Demand

(Demand configuration varies because of network design Changes to this page will occur for individual studies)

A	B	C	D	E	F	G
Section	Sub	Description	Detail	Unit	Source	Amount
1		DEM				
	A		Switching		Input	-
	B		Tandem Transport		Input	-
2		DEM to Access Equivalent MOU Conversion				
	A		DEM Access Factor		Input	-
	B		Access Equivalent Switching		1A*2A	-
	C		Access Equivalent Tandem Transport		1B*2A	-
3		Access Equivalent MOU FL Demand				
	A		Growth Rate		Input	0 0%
	B		Access Equivalent Switching		2B*3A	-
	C		Access Equivalent Tandem Transport		2C*3A	-
4		Local Inter-Office Transmission Percentage (used for EAS traffic transport)				
	A		Percentage Local MOU to Total Swtiching MOU			0%
	B		Percentage EAS MOU to Local MOU			0%
	C		Local MOU Transmission			-
5		Total Study MOUs				
	A		TOTAL Switching		3B	-
	B		TOTAL Transport		3C + 4C	-

0

I	**Switching Cost Factor**		**Annual per $ factor**	**#DIV/0!**
A	Initial $ Cost	$ 1,000 00		
B	Service Life (Years)	#DIV/0!		
C	Debt Ratio	0 00%		
D	Cost of Debt	0 00%		
E	Cost of Equity	0 00%		
F	Cost of Invested Capital	0 00%		
G	Salvage Value	#DIV/0!		
H	Amount Debt Financed	$ -		
I	Amount Equity Financed	$ 1,000 00		

J									#DIV/0!	0 00	
K	Year	Value Period Begin	Depreciation	Value Period End	Debt Interest Payment	Equity Dividend Payment	Annual Charge	Annual Charge Difference	PV of Annual Charge Difference	Adjust for PV Annual Charge Difference	Levelized Annualized Charge
	A	B	C	D	E	F	G	H	I	J	K
				B-C			C+E+F	G-avg ann chrg	PV(H)	iterate	ann chrg+J
L	1	$1,000 00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
M	2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
O	3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
P	4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
Q	5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
R	6	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
S	7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
T	8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
U	9	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
V	10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
W	11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
X	12	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
Y	13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
Z	14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
AA	15	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
AB	16	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	$ -	#DIV/0!
AC		Salvage Value		#DIV/0!							

0

2 **Transmission Equipment Cost Factor** **Annual per $ factor** **#NUM!**

A	Initial $ Cost	$ 1,000 00
B	Service Life (Years)	-
C	Debt Ratio	0 00%
D	Cost of Debt	0 00%
E	Cost of Equity	0 00%
F	Cost of Invested Capital	0 00%
G	Salvage Value	-
H	Amount Debt Financed	$ -
I	Amount Equity Financed	$ 1,000 00
J		

									#NUM!	0 00	
K	Year	Value Period Begin	Depreciation	Value Period End	Debt Interest Payment	Equity Dividend Payment	Annual Charge	Annual Charge Difference	PV of Annual Charge Difference	Adjust for PV Annual Charge Difference	Levelized Annualized Charge
	A	B	C	D	E	F	G	H	I	J	K
				B-C			C+E+F	G-avg ann chrg	PV(H)	iterate	ann chrg+J
L	1	$1,000 00	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
M	2	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
O	3	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
P	4	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
Q	5	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
R	6	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
S	7	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
T	8	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
U	9	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
V	10	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
W	11	Salvage Value		$ -							

0

3	**Transmission Facility Cost Factor**	**Annual per $ factor**	#NUM!
4	**Traffic Sensitive Loop Cost Factor**	**Annual per $ factor**	#NUM!

A	Initial $ Cost	$ 1,000 00
B	Service Life (Years)	-
C	Debt Ratio	0 00%
D	Cost of Debt	0 00%
E	Cost of Equity	0 00%
F	Cost of Invested Capital	0 00%
G	Salvage Value	-
H	Amount Debt Financed	$ -
I	Amount Equity Financed	$ 1,000 00
J		

J									#NUM!	0 00	
K	Year	Value Period Begin	Depreciation	Value Period End	Debt Interest Payment	Equity Dividend Payment	Annual Charge	Annual Charge Difference	PV of Annual Charge Difference	Adjust for PV Annual Charge Difference	Levelized Annualized Charge
	A	B	C	D	E	F	G	H	I	J	K
				B-C			C+E+F	G-avg ann chrg	PV(H)	iterate	ann chrg+J
L	1	$1,000 00	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
M	2	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
O	3	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
P	4	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
Q	5	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
R	6	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
S	7	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
T	8	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
U	9	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
V	10	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
W	11	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
X	12	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
Y	13	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
Z	14	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AA	15	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AB	16	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AC	17	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AD	18	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AE	19	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AF	20	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AG	21	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AH	22	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AI	23	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AJ	24	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AK	25	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AL	Salvage Value			$ -							

0

5 **Support Plant** **Annual per $ factor** **#NUM!**

A	Initial $ Cost	$ 1,000 00
B	Service Life (Years)	-
C	Debt Ratio	0 00%
D	Cost of Debt	0 00%
E	Cost of Equity	0 00%
F	Cost of Invested Capital	0 00%
G	Salvage Value	-
H	Amount Debt Financed	$ -
I	Amount Equity Financed	$ 1,000 00

J									#NUM!	0 00	
K	Year	Value Period Begin	Depreciation	Value Period End	Debt Interest Payment	Equity Dividend Payment	Annual Charge	Annual Charge Difference	PV of Annual Charge Difference	Adjust for PV Annual Charge Difference	Levelized Annualized Charge
	A	B	C	D	E	F	G	H	I	J	K
				B-C			C+E+F	G-avg ann chrg	PV(H)	iterate	ann chrg+J
L	1	$1,000 00	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
M	2	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
O	3	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
P	4	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
Q	5	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
R	6	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
S	7	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
T	8	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
U	9	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
V	10	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
W	11	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AF	12	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#NUM!	#NUM!	#NUM!	#NUM!	$ -	#NUM!
AG	16	Salvage Value		$ -							

0
Input Page

	Item	Unit	Source	Amount
1	Name of LEC			
2	Forward-Looking Switching Cost	$US 2002	Vendor	
3	Switching Fill Factor	Percentage	Analysis	
4	Forward-Looking Transmission Cost	$US 2002	Vendor	
5	Facility Sharing Transmission Percentage		Analysis	
6	Fiber Cost per Foot	$US 2002	Vendor	
7	Distance from Host(s) to Tandem(s)	Statute Route Miles	LEC	
8	Distance from Host(s) to Tariff 4 Remote(s)	Statute Route Miles	Vendor	
9	Facility Sharing Transmission Percentage	Percentage	Analysis	
10	HCPM Gross Loop Plant	Total $US	HCPM	
11	HCPM DLC Transmission	Total $US	HCPM	
12	CWF	Total $US	USOA 2410	
13	TPIS	Total $US	USOA 2001	
14	Support Plant 2110	Total $US	USOA 2110	
15	Support Plant 2120	Total $US	USOA 2120	
16	COE Maintenance Expense 6210	Total $US	USOA 6210	
17	COE Maintenance Expense 6220	Total $US	USOA 6220	
18	Network Support Expense	Total $US	USOA 6110	
19	General Support Expense	Total $US	USOA 6120	
20	Network Operations Expense	Total $US	USOA 6530	
21	Materials and Supplies Expense	Total $US	USOA 1220	
22	CWF Expense	Total $US	USOA 6410	
23	CO Transmission Expense	Total $US	USOA 6230	
24	COE Switching Investment	Total $US	USOA 2210	
25	COE Operator Investment	Total $US	USOA 2220	
26	COE Transmission Investment	Total $US	USOA 2230	
27	Transport Investment 2230, cat 4 12	Total $US	4.12	
28	Transport Investment 2230, cat 4 23	Total $US	4 23	
29	Transport Investment 2230, cat 4 3	Total $US	USOA 2230, cat 4.3	
30	CWF Investment	Total $US	USOA 2410	
31	Corp Operations Expense 6710	Total $US	USOA 6710	
32	Corp Operations Expense 6720	Total $US	USOA 6720	
33	Operating Taxes	Total $US	USOA 7200	
34	Uncollectibles	Total $US	USOA 5300	
35	Switching (Includes ISP and CMRS minutes)	MOU	Total DEM	
36	Tandem Transport	MOU	Toll DEM	
37	MOU Percentage local	Percentage	Analysis	
38	DEM:Access Factor	Percentage	Industry Value	
39	Total DEM Growth Rate	Percentage	Analysis	
40	Remote Local MOUs transmitted to host	Percentage	Analysis	
41	LEC Debt Ratio	Percentage	LEC Data	
42	LEC Cost of Debt	Percentage	LEC Data	
43	Digital Switching - Economic Life	Years		
44	Operator Systems - Economic Life	Years		
45	Digital Circuit Equipment - Economic Life	Years		
46	Buried - Non-Metallic - Economic Life	Years		
47	Support Plant - Weighted Average Depreciation Life	Years	LEC Data	

0

Input Page

	Item	**Unit**	**Source**	**Amount**
48	Digital Switching - Salvage	Percentage		
49	Operator Systems - Salvage	Percentage		
50	Digital Circuit Equipment - Salvage	Percentage		
51	Buried - Non-Metallic - Salvage	Percentage		
52	Support Plant - Salvage	Percentage		
53	Access Loops by Tariff 4 Wire Center	Access Loops	LEC Data	
54	Total TR-303 provisioned loops by Tariff 4 Wire Cent	TR-303 Loops	LEC Data	
55	Total Loops by Tariff 4 Wire Center	Total Loops	LEC Data	
56	Total TR-303 used ports by Tariff 4 Wire Center	Total TR-303 Ports	LEC Data	
57	Total equipped analog ports by Tariff 4 Wire Center	Equipped ports	LEC Data	
58	Total equipped TR-303 ports by Tariff 4 Wire Center	Equipped ports	LEC Data	
59	Total access loops at hosts (analog and TR-303)	Access Loops	LEC Data	

XYZ Telecommunications Company

Exchange	Host / Remote	Access Lines	Switching Investment	Switching Minutes of Use	Interoffice Minutes of Use	Composite Airline Miles
(A)	(B)	(C)	(D)	(E)	(F)	(G)

Parameters Used In Model

Switch Engineering		0 000%	(1)
Central Office Power Factor		0 000%	(2)
Transport Engineering		0 000%	(3)
Transport Power Factor		0 000%	(4)
Switch Port Fill Factor		0 000%	(5)
Transport Termination Fill Factor		0 000%	(6)
Common Host Switch Investment	$	-	(7)
Variable (Per Line) Host Switch Investment	$	-	(8)
Common Remote Switch Investment	$	-	(9)
Variable (Per Line) Remote Switch Investment	$	-	(10)
Main Distribution Frame (Per Line)	$	-	(11)
Business Days Per Month		0	(12)
Percent of Daily MOU Assigned to Busy Hour		0 000%	(13)
Maximum Trunk Occupancy in CCS		0	(14)
Trunks per DS-1		0	(15)
DS-1s per DS-3		0	(16)
Transmission Multiplexing (DS-3) Per Card (1 DS-3)	$	-	(17)
Transmission Multiplexing (DS-1) Per Card (7 DS-1s)	$	-	(18)
Digital Cross Connect (DS-1) Per 84 DS-1s	$	-	(19)
Transmission Terminal OC-3	$	-	(20)
Transmission Terminal OC-12	$	-	(21)
Transmission Terminal OC-48	$	-	(22)
Transmission Terminal OC-96	$	-	(23)
Average Fiber Investment per Foot	$	-	(24)

OSP Probability and Costs

Percentage of OSP - 12 Fiber Aerial	0 000%	$ -	$ -
Percentage of OSP - 12 Fiber Buried	0 000%	$ -	$ -
Percentage of OSP - 12 Fiber Underground	0 000%	$ -	$ -
Percentage of OSP - 24 Fiber Aerial	0 000%	$ -	$ -
Percentage of OSP - 24 Fiber Buried	0 000%	$ -	$ -
Percentage of OSP - 24 Fiber Underground	0 000%	$ -	$ -
Percentage of OSP - 36 Fiber Aerial	0 000%	$ -	$ -
Percentage of OSP - 36 Fiber Buried	0 000%	$ -	$ -
Percentage of OSP - 36 Fiber Underground	0 000%	$ -	$ -
Percentage of OSP - 48 Fiber Aerial	0 000%	$ -	$ -
Percentage of OSP - 48 Fiber Buried	0 000%	$ -	$ -
Percentage of OSP - 48 Fiber Underground	0 000%	$ -	$ -
Percentage of OSP - 72 Fiber Aerial	0 000%	$ -	$ -
Percentage of OSP - 72 Fiber Buried	0 000%	$ -	$ -
Percentage of OSP - 72 Fiber Underground	0 000%	$ -	$ -
Percentage of OSP - 96Fiber Aerial	0 000%	$ -	$ -
Percentage of OSP - 96 Fiber Buried	0 000%	$ -	$ -
Percentage of OSP - 96 Fiber Underground	0 000%	$ -	$ -

ANNUAL CHARGE FACTOR DEVELOPMENT

		Factor	Asset Description: Digital Electronic Switching	Circuit & Termination Equipment	Outside Plant Cable & Equip
1 Amortization					
Service Life			-	-	
Cost of Money			0.00%	0.00%	0.00%
ACF - Without Income Tax			#DIV/0!	#DIV/0!	#DIV/0!
2 Income Tax Gross-Up					
Income Tax			#DIV/0!	#DIV/0!	#DIV/0!
ACF With Income Taxes			#DIV/0!	#DIV/0!	#DIV/0!
3 Adjustment for Future Salvage Value					
Future Salvage Value			0.00%	0.00%	0.00%
Present Value of Salvage Value			0.000%	0.000%	0.000%
Future Salvage Adjustment			#DIV/0!	#DIV/0!	#DIV/0!
ACF with Income Taxes and Future Salvage Adjustment			**#DIV/0!**	**#DIV/0!**	**#DIV/0!**
4 Factors					
A DIRECT TELRIC COMPONENTS					
Expenses					
Plant Specific	Y		#DIV/0!	#DIV/0!	#DIV/0!
DIRECT PORTION OF ANNUAL CHARGE FACTOR			**#DIV/0!**	**#DIV/0!**	**#DIV/0!**
Annual Cost Factor =>			**#DIV/0!**	**#DIV/0!**	**#DIV/0!**
B SHARED TELRIC COMPONENTS					
Power	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Network Administration Expenses	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Testing Expenses	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Engineering Expenses	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Shared by direct and shared support assets					
Property Held For Future Telecom Use Expenses		#DIV/0!			
Provisioning Expenses		#DIV/0!			
Plant Operations Administration Expenses	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Other Work Equipment		#DIV/0!			
Land & Buildings (% Shared By Direct)	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Annual Cost Factors					
Motor Vehicle	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Aircraft		#DIV/0!			
Special Purpose Vehicle		#DIV/0!			
Garage Work Equipment		#DIV/0!			
Other Work Equipment	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Land & Buildings (% Shared By Direct)	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SHARED PORTION OF ANNUAL CHARGE FACTOR			**#DIV/0!**	**#DIV/0!**	**#DIV/0!**
Annual Cost Factor =>			**#DIV/0!**	**#DIV/0!**	**#DIV/0!**
C COMMON					
Expenses					
Customer Operations	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Corporate Operations	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Other Taxes	Y	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Motor Vehicle		#DIV/0!			
Aircraft		#DIV/0!			
Special Purpose Vehicle		#DIV/0!			
Other Work Equipment		#DIV/0!			
Annual Cost Factors					
Land & Buildings (% Common)		#DIV/0!			
Furniture & Artwork		#DIV/0!			
Office Equipment		#DIV/0!			
General Purpose Computers		#DIV/0!			
COMMON PORTION OF ANNUAL CHARGE FACTOR			**#DIV/0!**	**#DIV/0!**	**#DIV/0!**
Annual Cost Factor =>			**#DIV/0!**	**#DIV/0!**	**#DIV/0!**

Annual Charge Factor Parameters		
Digital Switching Life	0.00	(1)
Circuit Equipment Life	0.00	(2)
Outside Plant Life	0.00	(3)
Digital Switching Salvage Value	0.00%	(4)
Circuit Equipment Salvage Value	0.00%	(5)
Outside Plant Salvage Value	0.00%	(6)
Cost of Money	0.00%	(7)
Debt Cost	0.00%	(8)
Debt %	0.00%	(9)
Equity Cost	0.00%	(10)
Effective Income Tax Rate	0.00%	(11)
Equity Gross-Up Factor	#DIV/0!	(12)
Labor Inflation Rate	0.00%	(13)
Non-Labor Adjustment Rate	0.00%	(14)
Motor Vehicle	0.00	(15)
Aircraft	0.00	(16)
Special Purpose Vehicle	0.00	(17)
Garage Work Equipment	0.00	(18)
Other Work Equipment	0.00	(19)
Land & Buildings	0.00	(20)
Furniture & Artwork	0.00	(21)
Office Equipment	0.00	(22)
General Purpose Computers	0.00	(23)

XYZ Telecommunications Company

Total Common Switching Investment	$ -	(A)
Total Common Main Dist Frame Investment	$ -	(B)
Total End Office Switching Investment	$ -	(C)
Annual Cost Basis For Switching	#DIV/0!	(D)
Annual Cost Basis for Main Dist Frame	#DIV/0!	(E)
Allocation of Direct Switching Expenses	#DIV/0!	(F)
Allocation of Shared Expenses	#DIV/0!	(G)
Allocation of Common Expenses	#DIV/0!	(H)
Total Switching Related Costs	#DIV/0!	(I)
Total Switching Related Expenses	#DIV/0!	(J)
Total Annual Switching Costs	**#DIV/0!**	(K)

Allocated Costs to Ports (Access Lines)	**#DIV/0!**	(L)
Allocated Costs to Switching (MOU Demand)	**#DIV/0!**	(M)
Total Access Lines	**-**	(N)
Total MOU		(O)
Annual Per Port Cost	**#DIV/0!**	(P)
Monthly	**#DIV/0!**	(Q)
Cost Per MOU	**#DIV/0!**	(R)

(1) Exchange	(2) Host / Remote	(3) Access Lines	(4) Switching Investment	(5) Engineering	(6) Power	(7) Total Switching Electronics	(8) Main Dist Frame and Protection	(9) Total Switch Related Investments	
XYZ Telecommunications Company		-	$ -	$ -	$ -	$ -	$ -	$ -	(10)

XYZ Telecommunications Company

Total Transmission Terminal Investment	$ -	(A)
Total Digital Cross Connect Investment	$ -	(B)
Total Interoffice Facility Investment	$ -	(C)
Total Transmission Investment	$ -	(D)
Annual Cost Basis of Terminal	#DIV/0!	(E)
Annual Cost Basis of Digital Cross Connect	#DIV/0!	(F)
Annual Cost Basis of Facility	#DIV/0!	(G)
Allocation of Direct Transport Expenses	#DIV/0!	(H)
Allocation of Shared Expenses	#DIV/0!	(I)
Allocation of Common Expenses	#DIV/0!	(J)
Total Annual Transmission Costs	#DIV/0!	(K)

Total Costs (MOU Demand)	#DIV/0!	(L)
Total MOU	-	(M)

Cost Per MOU	#DIV/0!	(N)

Interoffice Facility Investment Development		
Composite Airline Miles	-	(O)
Total Footage of Interoffice Route	-	(P)
Overall Fiber Investment	$ -	(Q)

(1) Exchange	(2) Host / Remote	(3) Access Lines	(4) Allocated Inter-Office Minutes of Use	(5) Busy Hour MOU Trunk Demand	(6) Required DS-1 Appearances at Each End Office	(7) Required DS-3s to Support MOU Demand	(8) Transmission Terminal Investment	(9) Transmission Mutiplexing Equipment Investment	(10) Required Transmission Terminal Investment	(11) Required Digital Cross Connection Investment	
XYZ Telecommunications Company			0	0 00	0 00	0 00			$ -	$ -	(12)

TDS Telecom Wireless Interconnection Rate Development Model

XYZ Telecommunications Company

Switching Module Results	
Allocated Costs to Ports (Access Lines)	#DIV/0!
Allocated Costs to Switching (MOU Demand)	#DIV/0!
Total Access Lines	-
Total MOU	
Annual Per Port Cost	#DIV/0!
Monthly	#DIV/0!
Cost Per MOU	**#DIV/0!**
Transmission Module Results	
Total Costs (MOU Demand)	#DIV/0!
Total Interoffice MOU	-
Cost Per MOU	**#DIV/0!**
Study Preparation, Filing, Consultant and Attorney Fees	
Total Costs	$ -
Cost Per MOU	**#VALUE!**
Total Wireless Interconnection Rate	**#DIV/0!**

Input No 1

Line						
	GENERAL					
1		Name of Company			ABC Telephone Co	
2			Federal Tax Rate		0	Given
3			State Tax Rate		0	Given
4			Effective Rate		=H5+(1 H5) H4	Calc
5			Gross Up for Income Ta		=H6/(1 H6)	Calc
6		Year of Historical Data			2004	Given
7		Reserved				
8	Reserved fi					
9	=+B12					
	Worksheet					
10		Line 1	Access Lines		=+Input No 3'!C5	Input 3
=A16+1		Line 2	Acct 2001 TPIS		0	
=A17+1		Line 3	Acct 1220 Mat & Suppl		0	
=A18+1		Line 4	Acct 2110 Support Ass		0	
=A19+1		Line 5	Acct 2210 COE Swtg C		=H22*WS3!K16	Split based on MOU %
=A20+1		Line 6	Acct 2210 COE Swtg C		=+H22 H20	=+I20
=A21+1		Line 7	Acct 2210 COE Swtg		0	
=A22+1		Line 8	Acct 2220 COE Oper		0	
=A23+1		Line 9	Acct 2230COE Transm		0	
=A24+1		Line 10	Acct 2230 Cat 4 12 4 2		0	
=A25+1		Line 11	Acct 2410 C&WF		0	
=A26+1		Line 12	Acct 2410 C&WF Cat 2		0	
=A27+1		Line 13	Acct 6110 Netw Sup T		0	
=A28+1		Line 14	Acct. 6120 Gen Sup T		0	
=A29+1		Line 15	Acct 6210 6220 6230 C		0	
=A30+1		Line 16	Acct 6410 CWF Exp		0	
=A31+1		Line 17	Acct 6530 Net Op Exp		0	
=A32+1		Line 18	Acct 6510 Oth Prop Ex		0	
=A33+1		Line 19	Depr Exp COE		0	
=A34+1		Line 20	Depr Exp CWF		0	
=A35+1		Line 21	Depr./Amort Exp Supp		0	
=A36+1		Line 22	Acct 6710 6720 Corp		0	
=A37+1		Line 23	Acct 7200 Oper Taxe		0	
=A38+1		Line 24	CABS Billing Expenses		0	
=A39+1		Line 25	Msg Processing Expens		0	
=A40+1		Line 25	Marketing Expenses		0	
	Worksheet					
=A41+1		Line 4d	Materials & Supplies De		0	
=A45+1		Reserved				
	Worksheet					
=A48+1		I Line 2	% Minutes Switched at c			
=A49+1				Interstate	0	From CABS
=A50+1				State Interlata	=+I150	=+I50
=A51+1				State Intralata	0	
=A52+1				Local Intra-office	0	
=A53+1				Local Inter-office	0	
=A54+1		I Line 5	Avg interoffice miles per		0	=+I51
			Avg LOCAL miles per m		0	From study or use Toll #
		II Line 1	DEM Minutes			
=A58+1				Interstate	0	traffic study
=A59+1				State Interlata	0	=+I59
=A60+1				State Intralata	0	=+I60
				Total Local	0	=+I61
=A61+1				% Local Intra-office	0	Special Line Use Study
=A63+1				% Local Inter-office	0	=+I63
		II Line 2	Originating MOU ratio			
=A64+1				Interstate	0	=+I67
=A66+1				State Interlata	0	=+I71
=A67+1				State Intralata	0	=I67
=A68+1				Local Intra-office	=+H68	Use State Intra
=A69+1				Local Inter-office	=+H69	=+I69
=A70+1		II Line 4	Interstate Access Minute		0	CABs Data
=A71+1		II Line 12	Annualized MOU growth		0	Input
		III Line 1	Number of Transport Ri			Includes rings jointly provided
=A73+1				OC 96 Rings	0	
=A76+1				OC-48 Rings	0	
=A77+1				OC-12 Rings	0	
=A78+1				OC-3 Rings	0	
=A79+1		III Line 3b	Number of DS1s provisi		0	Avg provisioned per DLC
=A81+1		III Line 5a	Total Circuits (Non VG E		0	Circuit Counts
=A82+1		III Line 5b	Total Message Circuits (		0	=+I82
	Workpaper					
=A83+1				OC 3	0	Avg OC3 EF&I $'s per Unit
=A87+1				OC-12	0	Avg OC12 EF&I $'s per Unit
=A88+1				OC-48	0	Avg OC48 EF&I $'s per Unit
=A89+1				OC-96		Avg OC96 EF&I $'s per Unit
=A90+1				OC xxx		Avg OCxxx EF&I $'s per Unit

Input No 2 Ring Summary
ABC Telephone Co

	All Rings	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Total Distance (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Total Nodes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Total Rings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Equip Total OC-3	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5 Equip Total OC-12	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6 Equip Total OC-48	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7 Equip Total OC-96	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8 Avg Node / Ring	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9 Avg Distance/Ring	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10 Ring Cap #DS1s	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Node	Ring # --->	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Ring Electronics (3 12 48,96)	OC 0	OC 0	OC 0	OC 0	OC	OC	OC	OC	OC	OC	OC	OC	OC	OC
1	From	Main Office	Main Office	Main Office	Main Office										
	Type (H R,D) (Host,Remote DLC)	H	H	H	H										
	To	Remote A	West Remote	ILEC Meetpoint	South Host										
	Type (H R D)	R	R	MP	H										
	Distance (route ft)	0	0	0	0										
2	From	Remote A	West Remote		South Host										
	Type (H,R,D)	R	R		H										
	To	Remote B	North Remote		Eat Remote										
	Type (H R,D)	R	R		R										
	Distance (ft)	0	0		0										
3	From	Remote B	North Remote		Eat Remote										
	Type (H,R,D)	R	R		R										
	To	Main Office	Main Office		Main Office										
	Type (H R D)	H	H		H										
	Distance (ft)	0	0		0										
4	From														
	Type (H R D)														
	To														
	Type (H R D)														
	Distance (ft)														
5	From														
	Type (H R D)														
	To														
	Type (H,R D)														
	Distance (ft)														

Input No. 3

ABC Telephone Co.
PBA TELRIC MODEL

Total Lines	0		
	1	2	3
1 Host	Main Office	South Host	
2 Lines Served	0	0	0
3 Lines Served Host/Remote	0	0	0
4 Lines Served DLC	-	-	-
5 Reserved			
6 Reserved			
7 Reserved			
8 # of DLC's (Total D's below)	2	3	0
9 Reserved			
1 CSA	Main Office	South Host	
Type (Host,Remote D)	H	H	
Lines Served: Ln 3	0	0	
2 CSA	Remote A	West Remote	
Type	R	R	
Lines Served: Avg or Input	0	0	
3 CSA	Remote B	North Remote	
Type	R	R	
Lines Served	0	0	
4 CSA	DLC #1	DLC #3	
Type	D	D	
Lines Served	0	0	
5 CSA	DLC #2	DLC #4	
Type	D	D	
Lines Served	0	0	
6 CSA		DLC #5	
Type		D	
Lines Served		0	
7 CSA		East Remote	
Type		R	
Lines Served		0	
8 CSA			
Type			
Lines Served			
9 CSA			
Type			
Lines Served			
10 CSA			

Input No. 3

ABC Telephone Co.
PBA TELRIC MODEL

Total Lines	0

	1	2	3
1 Host	Main Office	South Host	
2 Lines Served	0	0	0
3 Lines Served Host/Remote	0	0	0
4 Lines Served DLC	-	-	-
5 Reserved			
6 Reserved			
7 Reserved			
8 # of DLC's (Total D's below)	2	3	0
9 Reserved			

Type			
Lines Served			

Input No. 3

PBA TELRIC MODEL

Total Lines

		4
1	Host	
2	Lines Served	0
3	Lines Served Host/Remote	
4	Lines Served DLC	-
5	Reserved	
6	Reserved	
7	Reserved	
8	# of DLC's (Total D's below)	0
9	Reserved	
1	CSA	
	Type (Host,Remote D)	
	Lines Served: Ln 3	
2	CSA	
	Type	
	Lines Served Avg or Input	
3	CSA	
	Type	
	Lines Served	
4	CSA	
	Type	
	Lines Served	
5	CSA	
	Type	
	Lines Served	
6	CSA	
	Type	
	Lines Served	
7	CSA	
	Type	
	Lines Served	
8	CSA	
	Type	
	Lines Served	
9	CSA	
	Type	
	Lines Served	
10	CSA	

Input No. 3

PBA TELRIC MODEL

Total Lines

		4
1	Host	
2	Lines Served	0
3	Lines Served Host/Remote	
4	Lines Served DLC	-
5	Reserved	
6	Reserved	
7	Reserved	
8	# of DLC's (Total D's below)	0
9	Reserved	
	Type	
	Lines Served	

Fiber Facility Investment Unit Costs

A.	**Basic Cost Data**				
	1	Cost per foot Fiber			
		Installation I Per Ft Total		$0 00	Labor + Material
		# of Fibers		0	
	2	Directional Boring (Includes 1 25 " conduit)			
		a	Per Ft	$0 00	Labor + Material
		b.	Conduit Ducts	0	
		c	Duct fill rate	0.00	
	3.	Splice Box			
			Per Box	$0.00	
	4.	Fiber Splice Labor		$0 00	
	5.	Cost per Pole 40ft. (in place cost)		$0 00	
B.	**Installation Assumptions**				
	I	Average feet between fiber splices		0	
	2	Average pole spacing (Company Avg)		0	
	3	Telco Structure Share Poles		0.00%	% Poles owned by Telco
	4	Telco Structure Share: Conduit		0.00%	% Conduit owned by Telco
	5	% Aerial Cable		0.00%	% Aerial owned by Telco

Input No 5
ABC Telephone Co
Forward Looking Switching Investment

PBA TLERIC MODEL

	Total	1	2	3	4	5	6	7	8	9	10	11	12
Host #	Total	1	2	3	4	5	6	7	8	9	10	11	12
Host Name		Main Office	South Host	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
Lines Served	0	0	0	0	0	0	0	0	0	0	0	0	0
A Switch Equipment													
1 Per Line Investment excluding line port		$	$	$									
2 Lines		0	0	0	0	0	0	0	0	0	0	0	0
3 Total Switching Equip Inv (Ln1*Ln2)		0	0	0	0	0	0	0	0	0	0	0	0
4 Building/site Cost Host		$0	$0	$0									
5 Number of Remotes													
6 Building/Pwr/Land Cost per Remote		$	$	0									
7 Total Building/site Cost Remotes (Ln5*Ln6)		0	0	0	0	0	0	0	0	0	0	0	0
8 Total Switch Investment (Ln 3+Ln4+Ln7)	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9 # of DLCs Input 3 Ln 8	5	2	3	0	0	0	0	0	0	0	0	0	0

Summary

			Source	Unit
I	Transport			
1		Switched Transport		
	A	Transport Facility per minute-mile	Output 4 Ln 24a	= Output 4'!F75
	B	Transport Termination per minute	Output 4 Ln 24b	= Output 4 !H76
2		Tandem Switching	Output 3 Ln 23	= Output 3 !F68
3		Local Switching	Output 2 Ln 23	='Output 2'!F70
4		Composite Non-Distance Sensitive Rate	Sum LL 1B + 2 + 3	=F16+F14+F12
5		At Average Miles	Ln 1a+Ln 4*WS3 Col F Ln 5	=F18+F11*WS3!J24

	Investment	Source	Amount
1	Direct Investment	WS 1, Line 6 Col B	=WS1!M22
2	Indirect Investment - Support Plant	Ln 1 X Support Plant Factor (WS 2 Ln 9a)	=F11*WS2!D42
3	Indirect Investment Materials & Supplies	Ln 1 X Materials & Supplies Factor (WS 2 Ln 9b)	=F11*WS2!D43
4	Total Investment	Sum Ll 1 - 3	=SUM(F11 F15)
	Annual Charge Factors		
5	Maintenance COE	WS 2 Ln 1b	=WS2!D14
6	Network and General Support Factor	WS 2 Ln 2	=WS2!D16
7	Network Operations Factor	WS 2 Ln 3	=WS2!D18
8	Depreciation Factor	WS 2 Ln 4b	=WS2!D22
9	Corporate Operations Factor	WS 2 Ln 5	=WS2!D26
10	Operating Taxes Factor	WS 2 Ln 6	=WS2!D28
11	CABS Billing Factor	WS 2 Ln 7a	=WS2!D30
12	Total Direct Annual Cost Factors	Sum Ll 5 11	=SUM(F22 F35)
13	Depreciation- Support Plant	WS 2 Ln 4c	=WS2!D23
	Return Factors, Adjusted for avg depreciation over ex		
14	Direct Investment	WS 2 Ln 8b	=WS2!D35
15	Support Plant	WS 2 Ln 8d	=WS2!D37
16	Materials & Supplies	WS 2 Ln 8c	=WS2!D36
	Annual Revenue Requirement		
17	Expenses	Ln 1 X Ln 12 + Ln 2 X Ln 13	=F37 F11+F39*F13
18	Return		
	a Direct Plant	Ln 1 X Ln 14	=F44*F11
	b Support Plant	Ln 2 X Ln 15	=F46 F13
	c Materials & Supplies	Ln 3 X Ln 16	=F48 F15
	d Total Return	Sum Ll 18a - 18c	=SUM(F55 F57)
19	Gross - up for Income Tax	(Input 1,Ln 5/(1 Input 1 Ln 5))	= Input No 1 'H7
20	Income Tax Allowance	Ln 19 X Ln 18d	=F60*F58
21	Annual Revenue Requirement	Sum Ll 17 + 18d + 20	=F62+F58+F52
	Unit Cost Per MOU		
22	Network MOU	WS 3 II Line 11 col (f)	=WS3'J10
23	Unit Cost Per MOU	Ln 21/ Ln 22	=F64/F68

='Input No

= Output 2

	Investment	Source	Amount
1	COE Cat 2 Direct Investment 1/	WS 1 Line 5 Col B	=WS1'M20
2	Support Plant 2/	Ln 1 X Support Plant Factor (WS 2 Ln 9a)	=F11 WS2'D42
3	Materials & Supplies 3/	Ln 1 X Materials & Supplies Factor (WS 2 Ln 9b)	=F11 WS2'D43
4	Total Investment	Sum Ll 1 3	=SUM(F11 F15)
	Annual Charge Factors		
5	Maintenance Expense Factor COE	WS 2 Ln 1b	=WS2'D14
6	Network Support & General Support Factor	WS 2 Ln 2	=WS2'D16
7	Network Operations Factor	WS 2 Ln 3	=WS2'D18
8	Depreciation Factor	WS 2 Ln 4b	=WS2'D22
9	Corporate Operations Factor	WS 2 Ln 5	=WS2'D26
10	Operating Taxes Factor	WS 2 Ln 6	=WS2'D28
11	CABS Billing Factor	WS 2 Ln 7	=WS2'D30
12	Total Direct Investment Factors	Sum Ll 5 11	=SUM(F22 F34)
13	Depreciation Factor Support Plant	WS 2 Ln 4c	=WS2'D23
	Return Factors, Adjusted for avg depreciation over es		
14	Return - Direct Investment	WS 2 Ln 8b	=WS2'D35
15	Return - Support Plant	WS 2 Ln 8d	=WS2'D37
16	Return - Materials & Supplies	WS 2 Ln 8c	=WS2'D36
	Annual Revenue Requirement		
17	Expenses [(L1a x L2h) + (L1b x L2i)]	Ln 1 X Ln 12 + Ln 2 X Ln 13	=(+F11*F36)+(F13*F38)
18	Return		
	a Direct Plant	Ln 1 X Ln 14	=F11 F44
	b Support Plant	Ln 2 X Ln 15	=F13*F46
	c Materials & Supplies	Ln 3 X Ln 16	=F15*F48
	d Total Return	Sum Ll 18a - 18c	=SUM(F55 F57)
19	Gross - up for Income Tax	(Input 1 Ln 5/(1- Input 1 Ln 5))	= Input No 1'H7
20	Income tax allowance	Ln 19 X Ln 18d	=F58 F60
21	Annual Revenue Requirement	Sum Ll 17 + 18d + 20	=(+F52+F58+F62)
22	Tandem switched network minutes of use	WS3 I Ln 2b Col f	=WS3'J16
23	Cost per Minute	Ln 21 / Ln 22	=IF(F64=0 0 +F64/F66)

= Input No

PBA TELRIC MODEL

	Investment	Source	CWF Amount		COE Amount	
1	Transport Direct Investment per Circuit	WS 1 Line 12 (10) Col 2 / WS 3 I Ln 8	=WS1'M35/WS3'J32		=WS1!M30/WS3'J32	
2	Support Plant 2/	Ln 1 X Support Plant Factor (WS 2 Ln 9a)	=F12 WS2'D42		=H12 WS2'D42	
3	Materials & Supplies 3/	Ln 1 X Materials & Supplies Factor (WS 2 Ln 9b)	=F12 WS2'D43		=H12 WS2'D43	
4	Total Investment	Sum Ll 1 3	=SUM(F12 F16)		=SUM(H12 H16)	
	Annual Charge Factors					
5	Maintenance Expense Factor	WS 2 Ln 1a (b)	=WS2'D13		=WS2'D14	
6	Network Support & General Support Fa	WS 2 Ln 2	=WS2'D16		=+F24	
7	Network Operations Factor	WS 2 Ln 3	=WS2'D18		=+F26	
8	Depreciation Factor	WS 2 Ln 4a (b)	=WS2'D21		=WS2!D22	
9	Corporate Operations Factor	WS 2 Ln 5	=WS2'D26		=+F30	
10	Operating Taxes Factor	WS 2 Ln 6	=WS2'D28		=+F32	
11	CABS Billing Factor	WS 2 Ln 7	=WS2'D30		=+F34	
12	Total Direct Investment Factors	Sum Ll 5 11	=SUM(F22 F34)		=+F36	
13	Depreciation Factor Support Plant	WS 2 Ln 4c	=WS2'D23		=+F38	
	Return Factors, Adjusted for avg deprec					
14	Direct Investment	WS 2 Ln 8a (b)	=WS2'D35		=+F42	
15	Support Plant	WS 2 Ln 8d	=WS2'D37		=+F44	
16	Materials & Supplies	WS 2 Ln 8c	=WS2 D36		=+F46	
	Annual Revenue Requirement					
17	Expenses	Ln 1 X Ln 12 + Ln 2 X Ln 13	=(+F12 F36)+(F14 F38)		=(+H12 H36)+(H14 H38)	
18	Return					
	a Direct Plant	Ln 1 X Ln 14	=F12 F42		=H12 H42	
	b Support Plant	Ln 2 X Ln 15	=F14 F44		=H14 H44	
	c Materials & Supplies	Ln 3 X Ln 16	=F16 F46		=H16 H46	
	d Total Return	Sum Ll 18a 18c	=SUM(F53 F55)		=SUM(H53 H55)	
19	Gross up for Income Tax	(Input 1 Ln 5/(1 Input 1 Ln 5))	= Output 2'!F60		='Output 2'!F60	
20	Income Tax Allowance	Ln 19 X Ln 18d	=F56 F58		=H56 H58	
21	Annual Revenue Requirement	Sum Ll 17 + 18d + 20	=F60+F56+F50		=H60+H56+H50	
22	Monthly Revenue Requirement	Ln 21 / 12	=F62/12		=H62/12	
	Unit Cost Per MOU/Termination					
23	Demand Units					
a	Total inter-office minute-miles per circui	WS 3 I Ln 6 Col J / WS 3 I Ln 7 Col J	=WS3'J27/WS3'J30			xxx
b	Total inter-office minute per circuit per r	WS 3 I Ln 4 Col J / WS 3 I Ln 7 Col J		xxx	=WS3'J21/WS3'J30	
24	Unit Costs					
a	Transport facility cost per minute-mile	Ln 22 / Ln 23	=F64/F70			xxx
b	Transport termination cost per minute	Ln 22 / Ln 23		xxx	=H64/H71	

="Input No

PBA TELRIC MODEL

			Function	Source	(A) Historical Amount	(B) Forward Looking Investment	(C) Forward-Looking Source
1	Working Loops			Input No 1 ln 10	="Input No 1"H16	=+K10	Input 1
2	Acct 2001 TPIS			Input No 1 Ln 11	="Input No 1"H17		
3	Acct 1220 Mat & Supp			Input No 1 Ln 12	="Input No 1"H18		
4a	Acct 2110 Support Ass			Input No 1 Ln 13	="Input No 1"H19		
4b	Land & Building for Hos			Input 8 Ln A5	=SUM('Input No 5'!D14 O14)		
4c	Land & Building for Ren			Input 8 Ln A8	=SUM('Input No 5'!D17 O17)		
5	Acct 2210 COE Swtg (		Tandem Switching	Input No 1 Ln 14	="Input No 1"H20	="WP1 Switching"L11	Workpaper 2 Ln 3
=A20 1	Acct 2210 COE Swtg (		Local Switching	Input No 1 Ln 15	="Input No 1"H21	="WP1 Switching"L13	Workpaper 2 Ln 4
=A22 1	Acct 2210 COE Swtg		Digital Switching	Input No 1 Ln 16	= Input No 1 H22		
=A24 1	Acct. 2220 COE Oper			Input No 1 Ln 17	="Input No 1 H23		
=A26+1	Acct 2230COE Transm			Input No 1 Ln 18	="Input No 1 H24		
=A28+1	Acct 2230 Cat 4 12 4		Transport Central Office	Input No 1 Ln 20	="Input No 1"H25	="WP2 Ring"K52	Workpaper 2 II Col D Ln 5
=A30+1	Acct 2410 C&WF	Non-DLC Coppe DLC Copper & F		Input No 1 Ln 21	="Input No 1"H26		
=A32 1	Acct 2410 C&WF Cat .		Switched Transport Fac	Input No 1 Ln 21	="Input No 1"H27	="WP2 Ring"O23	WP2 I Col M Ln 24
=A35+1	Acct 6110 Netw Sup 1			Input No 1 Ln 22	="Input No 1 H28		
=A37+1	Acct 6120 Gen Sup 1			Input No 1 Ln 23	="Input No 1"H29		
=A39 1	Acct 6210 6220 6230 (			Input No 1 Ln 24	="Input No 1"H30		
=A41 1	Acct 6410 CWF Exp			Input No 1 Ln 25	="Input No 1"H31		
=A43 1	Acct 6530 Net Op Exp			Input No 1 Ln 26	="Input No 1"H32		
=A45 1	Acct 6510 Oth Prop Ex			Input No 1 Ln 27	="Input No 1"H33		
=A47+1	Depr Exp COE			Input No 1 Ln 28	="Input No 1"H34		
=A49+1	Depr Exp CWF			Input No 1 Ln 29	="Input No 1"H35		
=A51 1	Depr /Amort Exp Supp			Input No 1 Ln 30	="Input No 1"H36		
=A53 1	Acct 6710 6720 Corp			Input No 1 Ln 31	="Input No 1"H37		
=A55 1	Acct 7200 Oper Taxe			Input No 1 Ln 32	="Input No 1"H38		
=A57 1	CABS Billing Expenses			Input No 1 Ln 33	="Input No 1"H39		
=A59+1	Msg Processing Expens			Input No 1 Ln 34	="Input No 1"H40		
=A61 1	Marketing Factor Expen			Input No 1 Ln 35	="Input No 1 H41		

='Input No 1 !

=WS1!A4

PBA TELRIC MODEL

			TELRIC Level	Source
1		Maintenance Expense Factor		
	a	CWF	=WS1'K43/+WS1'K32	W S 1 - Col A,L16/Col /
	b	COE	=WS1'K41/SUM(WS1'K24 K.	W S 1 - Col A L15/(Sun
2		Netw Supp & Gen Supp Factor	=SUM(WS1'K37 K39)/WS1'K	W S 1 (Sum Col A LL1
3		Network Operations Factor	=WS1'K45/WS1'K12	W S 1 Col A L17/Col
4		Depreciation Factor		
	a	CWF	=WS1'K51/WS1'K32	W S 1 - Col A, L20/Col
	b	COE	=WS1'K49/SUM(WS1'K24 K	W S 1 - Col A L19/(Sur
	c	Support Plant	=WS1'K53/WS1'K16	W S 1 Col A L21/Col
	d	Materials & Supplies	= Input No 1 'H45	Input No 1 Ln 36
5		Corporate Operations Factor	=WS1'K55/WS1'K12	W S 1 Col A L22/Col
6		Operating Taxes Factor	=WS1'K57/WS1'K12	W S 1 Col A L23/Col
7a		CABS Billing Factor	=WS1'K59/WS1'K12	W S 1 Col A L24/Col
8		Return Factors		
	a	CWF	=(1-D$38/2*D21) 0 1125	[1 (L8e/2XL4a)] x 11 2'
	b	COE	=(1 D$38/2 D22) 0 1125	[1 - (L8e/2XL4b)] x 11 2'
	c	Materials & Supplies	=(1-D$38/2*D24) 0 1125	[1 - (L8e/2XL4d)] x 11 2'
	d	Support Plant	=(1-D$38/2 D23) 0 1125	[1 (L8e/2XL4c)] x 11 2'
9		Secondary Investment Factors		
	a	Support Plant	=((WS1'K16 WS1'K17 WS1'I	W S 1 - Col A, (L4a-L4t
	b	Materials & Supplies	=WS1'K14/WS1'K12	W S 1 (Col A L3/Col A

=Input No

=WS2!A5

PBA TELRIC MODEL

		Interstate (a)	Intrastate Intralata (b)	Intrastate Interlata (c)	Local Intra Office (d)	Local Inter-Office (e)	Total (Cols. a + b + c) (f)	
1	Total Billable MOU II Line 11	=E60	=G60	=H60	=I60	=J60	=SUM(D10 I10)	
2	Tandem Switched (Input a Tandem Adjustment Fac	= Input No 1*H50	= Input No 1*H51	= Input No 1*H52	= Input No 1*H53	= Input No 1*H54		Tandem %
	b Tandem Switched (L 1 x L 2)	=D10 D13	=E10 E13	=G10 G13			=SUM(D16 I16)	=+J16/J10
3	Total Transport MOU (II	=D10	=E10	=G10		=I10	=SUM(D19 I19)	
4	Monthly Interoffice Trans (L3 Col e / 12)						=J19/12	
5	Average Interoffice Miles Input 1 Ln 44	= Input No 1*H56		=D24		= Input No 1*H57	=SUM(D27 G27) G24/J27+I27*I24/J	
6	Total Monthly Interoffice (L4 x L5 /12)	=D19 D24/12		=G19 G24/12		=I19 I24/12	=SUM(D27 I27)	
7	Interoffice Switched Trar						=E95	
8	Total Interoffice Transpo						=E85	

II DEM A

			Interstate (a)	Intrastate Interlata (b)	Intrastate Intralata (c)	Local Intra-Office (d)	Local Inter Office (e)	Total (Cols. a + b + c) (f)
1	DEM MOU	Input No 1 Ln 45 49	= Input No 1*H59	= Input No 1*H60	=Input No 1*H61	= Input No 1*H62 Input No 1*H63	= Input No 1*H62*Input No 1*H64	=SUM(E40 J40)
2	Originating Ratio	Input No 1 Ln 51	= Input No 1*H66	=E42	=G42	=H42	=I42	
3	Originating DEM MOU	Line 1 X Line 2	=E42 E40	=G42*G40	=H42*H40	=I42 I40	=J42 J40	=SUM(E44 J44)
4	Interstate Access MOU f	Input No 1 Ln 55	=Input No 1*H71					
5	Originating Ratio	Line 2	=E42					
6	Originating Access MOL	Line 4 Line 5	=E48 E46					
7	DEM / Access Ratio	Line 3 / Line 6	=E44/E50					
8	Billable Orig MOU	Line 3 / Line 7	=E44/$E52	=G44/$E52	=H44/$E52	=I44/$E52	=J44/$E52	=SUM(E54 J54)
9	Total Billable MOU	Line 8 / Line 2	=E54/E42	=G54/G42	=H54/H42	=I54/I42	=J54/J42	=SUM(E56 J56)
10	Annualized Growth Rate	Input No 1 Ln 56	=Input No 1*H73					
11	Forward-looking Demanc	(1 + Line 10, Col a)^3 X Line 9	=(1+$E58)^3*E56	=(1+$E58)^3 G56	=(1+$E58)^3 H56	=(1+$E58)^3 I56	=(1+$E58)^3 J56	=SUM(E60 J60)

III Joint %

1	Transport Rings a OC 3 b OC 12 c OC 48 d OC 96	Sum (a d) Input No 2 Input No 2 Input No 2 Input No 2	=Input No 2*C6 =+Input No 2*C6 =Input No 2*C187 =Input No 2*C188 =Input No 2*C189
2	VG Circuit Equivalent	1a 3 28+1b 12 28+ 1c 48 28+1d*96 28	=E66 3 28 24+E67*12 28*24+E68
3	Circuits Dedicated to DL		
	a Number of DLCs	Input No 5 LN 9 Total	=Input No 5*C21
	b Number of DS1s per	Input No 1 Ln 61	=Input No 1*H81
	c Total VG Equivalent I	LL 3a X 3b X 24	=E79 E77 24
	d Percentage of Transi	(L2 L 3c) / L2	=(E72 E81)/E72
4	Net Transport Circuits	LL 2 3c	=E72 E81
5	Circuits Used For Private		
	a Total Circuits Non \	Input No 1 Ln 62	=Input No 1*H82
	b Total Message Circu	Input No 1 Ln 63	= Input No 1*H83
	c Percentage of Joint	LL 5b / 5a	=E91/(E89)
6	Switched Transport Circ	LL 5c X L4	=E93 E85
7	Percentage of Swtched	LL 6 / 2	=E95/E72

IV Switched Network Usage Distri

		Amount	Source
A	USAGE		
1	Interstate	=E60	L II 11 Col a
2	Intrastate	=H60	L II 11 Col c
3	Local	=SUM(I60 J60)	L II 11 Cols d + e
4	Total	=SUM(I66 I68)	Sum of LL IV A 1 through 3
B	DISTRIBUTION		
1	Interstate	=I66/$I$69	L IV A 1/L IV A 4
2	Intrastate	=I67/$I$69	L IV A 2/L IV A 4
3	Local	=I68/$I$69	L IV A 3/L IV A 4
4	Total	=I69/$I$69	Sum of LL IV B 1 through 3

='Input N

Total Switc

1	Total Switching Investment	Input No 8 Ln 52 Total	= Input No 5'!C18
2	Tandem Switching Investment %	WS1 - Col A Ln 5 /Col /	=WS1!K20/WS1!K24
3	Tandem Switch Investment	Line 1 X Line 2	=L9*L7
4	Local Switch Investment	Line 1 - Line 3	=+L7-CAT2

= Input N

I Fiber Rings

Ln	Ring #	A Distance	B % Aerial	C Structure Share Aer	D Structure Share UG	E Fiber Inv Aerial	F Fiber Inv Underground	G Poles	H Pole Inv	I Splice Points	J No of Nodes	K Splice Box Costs	L Slice Labor	M Total Investment
1	1	= Input No 2'!E$4	= Input No 4 !F$34	='Input No 4 'F$30	= Input No 4 !F$32	=C8 D8 Input No 4 'F$9	=C8 (1-D8) ((F8 Input No 4 'F'	=C8 D8/Input No 4 'F$.	=I8 E8 Input No 4 'F$22	=ROUND(C8/Input No 4 'F$26 0)	= Input No 2'E$5	=IF(K8=0 0 (K8-L8) Input No 4	=K8 Input No 4 'F$20	=M8+J8+H8+G8+N8
=A8+1	=B8+1	= Input No 2'!G$4	='Input No 4 !F$34	= Input No 4 !F$30	= Input No 4 'F$32	=C9*D9*Input No 4 'F$9	=C9 (1-D9) ((F9*Input No 4 'F!	=C9 D9/Input No 4 'F$.	=I9 E9*Input No 4 'F$22	=ROUND(C9/Input No 4 !F$26 0)	='Input No 2'!G$5	=IF(K9=0 0 (K9-L9) Input No 4	=K9 Input No 4 'F$20	=M9+J9+H9+G9+N9
=A9+1	=B9+1	='Input No 2'!I$4	='Input No 4 !F$34	= Input No 4 !F$30	= Input No 4 !F$32	=C10*D10 Input No 4 !F$9	=C10 (1-D10) ((F10*Input No 4	=C10 D10/Input No 4 !F	=I10 E10*Input No 4 'F$22	=ROUND(C10/Input No 4 'F$26 0	= Input No 2'!I$5	=IF(K10=0 0 (K10-L10) Input N	=K10*Input No 4 'F$20	=M10+J10+H10+G10+N10
=A10+1	=B10+1	='Input No 2'!K$4	='Input No 4 'F$34	= Input No 4 !F$30	='Input No 4 !F$32	=C11 D11 Input No 4 !F$9	=C11 (1 D11) ((F11*Input No 4	=C11 D11/Input No 4*'F	=I11 E11*Input No 4 'F$22	=ROUND(C11/Input No 4 !F$26 0	='Input No 2'!K$5	=IF(K11=0 0 (K11-L11) Input N	=K11 Input No 4 !F$20	=M11+J11+H11+G11+N11
=A11+1	=B11+1	='Input No 2'!M$4	='Input No 4 !F$34	='Input No 4 'F$30	='Input No 4 !F$32	=C12*D12 Input No 4 'F$9	=C12 (1-D12) ((F12*Input No 4	=C12 D12/Input No 4 !F	=I12*E12*Input No 4 'F$22	=ROUND(C12/Input No 4 'F$26 0	='Input No 2'!M$5	=IF(K12=0 0 (K12-L12) Input N	=K12 Input No 4 'F$20	=M12+J12+H12+G12+N12
=A12+1	=B12+1	='Input No 2'!O$4	= Input No 4 !F$34	='Input No 4 'F$30	='Input No 4 'F$32	=C13 D13 Input No 4 'F$9	=C13 (1-D13) ((F13*Input No 4	=C13 D13/Input No 4 !F	=I13 E13*Input No 4 'F$22	=ROUND(C13/Input No 4 'F$26 0	='Input No 2'!O$5	=IF(K13=0 0 (K13-L13) Input N	=K13*Input No 4 'F$20	=M13+J13+H13+G13+N13
=A13+1	=B13+1	='Input No 2'!Q$4	='Input No 4 !F$34	='Input No 4 'F$30	='Input No 4 'F$32	=C14 D14*Input No 4 !F$9	=C14 (1-D14) ((F14*Input No 4	=C14 D14/Input No 4 !F	=I14 E14*Input No 4 'F$22	=ROUND(C14/Input No 4 'F$26 0	= Input No 2'!Q$5	=IF(K14=0 0 (K14 L14) Input N	=K14*Input No 4 !F$20	=M14+J14+H14+G14+N14
=A14+1	=B14+1	= Input No 2'!S$4	= Input No 4 !F$34	= Input No 4 'F$30	= Input No 4 !F$32	=C15 D15*Input No 4 'F$9	=C15 (1-D15) ((F15 Input No 4	=C15 D15/Input No 4 !F	=I15 E15 Input No 4 'F$22	=ROUND(C15/Input No 4 !F$26 0	= Input No 2'!S$5	=IF(K15=0 0 (K15-L15)*Input N	=K15 Input No 4 'F$20	=M15+J15+H15+G15+N15
=A15+1	=B15+1	= Input No 2'!U$4	= Input No 4 'F$34	= Input No 4 'F$30	= Input No 4 !F$32	=C16 D16 Input No 4 'F$9	=C16 (1-D16) ((F16 Input No 4	=C16 D16/Input No 4 'F	=I16 E16 Input No 4 'F$22	=ROUND(C16/Input No 4 'F$26 0	= Input No 2'!U$5	=IF(K16=0 0 (K16-L16)*Input N	=K16 Input No 4 !F$20	=M16+J16+H16+G16+N16
=A16+1	=B16+1	= Input No 2'!W$4	= Input No 4 !F$34	= Input No 4 'F$30	='Input No 4 'F$32	=C17 D17*Input No 4 'F$9	=C17 (1-D17) ((F17 Input No 4	=C17 D17/Input No 4 'F	=I17 E17 Input No 4 'F$22	=ROUND(C17/Input No 4 'F$26 0	= Input No 2'!W$5	=IF(K17=0 0 (K17-L17)*Input N	=K17* Input No 4 !F$20	=M17+J17+H17+G17+N17
=A17+1	=B17+1	= Input No 2'!Y$4	= Input No 4 !F$34	= Input No 4 'F$30	='Input No 4 'F$32	=C18 D18 Input No 4 'F$9	=C18 (1-D18) ((F18 Input No 4	=C18 D18/Input No 4 !F	=I18 E18*Input No 4 'F$22	=ROUND(C18/Input No 4 'F$26,0	='Input No 2'!Y$5	=IF(K18=0,0,(K18-L18)*Input N	=K18 Input No 4 !F$20	=M18+J18+H18+G18+N18
12	Total	=SUM(C8 C17)				=SUM(G8 G17)	=SUM(H8 H17)	=SUM(I8 I17)	=SUM(J8 J17)	=SUM(K8 K17)	=SUM(L8 L17)	=SUM(M8 M17)	=SUM(N8 N17)	=SUM(O8 O17)

=+A19+1 Installed Investmen	Line 12 Col M / Line 12	=O19/C19
=+A21+1 % Transport Invest	WS 3 III 3d	=WS3'E83
=+A22+1 Transport Investme	L 12 X L14	=O22*O19
=+A23+1 % Switched Transp	WS 3 III Ln 7	=WS3'E97
=+A24+1 Switched Transport	L12 X L 16	=O19 O24
=+A25+1 % Loop Feeder Inv	1 L 15	=1-O22
=+A26+1 Loop Feeder Invest	L 12 X L 18	=O26 O19
=+A27+1 Total Loops Switch	WS 1 Col B Ln 1	=WS1'M10

Sources

Col A	Input No 2 Ln 1
Col B	Input No 4 B Ln 5
Col C	Input No 4 B Ln 3
Col D	Input No 4 B Ln 4
Col E	Col A Col B Input No 4 Line
Col F	Col A (1 Col B) ((Col D Inpu
Col G	Col A Col B / Input No 4 Line
Col H	Col G Col G / Input No 4 Line
Col I	Col A / Input No 4 Line B1
Col J	Input No 2 Ln 5
Col K	(Col I Col J) Input No 4 Line
Col L	Col I I Input No 4 Line A4
Col M	Col L + Col K +Col H+Col F + C

II Circuit Equipmen

Ln	Transport COE Inv	Source	A Quantity	B Qty per Node	C Fwd Looking Cost	D=A B C Total
1	OC-3 Terminal Equipment	Input 2 Col A Ln 4 & In	= Input No 2'C7	2	='Input No 1 'H87	=H48 I48 J48
2	OC-12 Terminal Equipment	Input 2 Col A Ln 5 & In	= Input No 2'C8	=I48	= Input No 1 'H88	=H49 I49 J49
3	OC-48 Terminal Equipment	Input 2 Col A Ln 6 & In	11	=I49	= Input No 1 'H89	=H50 I50 J50
4	OC-96 Terminal Equipment	Input 2 Col A Ln 7 & In	= Input No 2'C10	=I50	='Input No 1 'H90	=H51 I51 J51
5	Total OC Transport COE	Sum LL 1 4				=SUM(K48 K51)

LEE OLCH

TELRIC Model
Tennessee CMRS Interconnection

Rate Development

9/28/2005

Line	Description	Source	Balance	
1	Total Switching	Switch_Annual	#DIV/0!	
	Transport			
2	Tandem Switching	Trnsprt_Annual	#DIV/0!	
3	Local Switch Trunk Ports	Trnsprt_Annual	#DIV/0!	
4	Circuit Equipment	Trnsprt_Annual	#DIV/0!	
5	Cable & Wire Facilities	Trnsprt_Annual	#DIV/0!	
6	Total Transport	L2+. +L5	#DIV/0!	
7	Total Transport and Termination	L1+L6	#DIV/0!	
	Non-Network Expenses			
8	General Support Facility Cost	GSF_Annual	#DIV/0!	
9	Common Cost Factor	Input_Other		0
10	Common Cost	(L7+L8)*L9	#DIV/0!	
11	Interconnection Cost	L7+L8+L10	#DIV/0!	
12	Uncollectibles Factor	Input_Other		0
13	Uncollectibles	L11*L12	#DIV/0!	
14	Total Interconnection Cost	L1+L13	#DIV/0!	
15	Minutes of use	Input_Other	-	
16	Transport &Termination Rate	L14/L15	#DIV/0!	

Line	Plant	Source	Investment Amount A	Annual Capital Cost Factor B CAPCOST FACTORS	Annual Investment C=A*B	Direct Expense & Tax Factor D INPUT_ Expense_Factors	Annual Direct Expenses & Taxes E=A*D	Shared Expense Factor F INPUT_ Expense_Factors	Annual Indirect Expenses G=A*F	Total Annual Cost H=C+E+G
	Tandem Switch									
1	2212 Switch	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2	2111 Land	INPUT_OTHER	#DIV/0!	0 000000	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
3	2121 Building	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
										#DIV/0!
	Trunk Ports									
4	2212 Trunk Ports	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	2111 Land	INPUT_OTHER	#DIV/0!	0 000000	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
6	2121 Building	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
										#DIV/0!
7	2232 Circuit Equipment	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	CWF									
8	2411 Poles	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
9	2421 Aerial	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10	2422 Underground	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	2423 Buried	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
12	2441 Conduit	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
										#DIV/0!

Line	Circuit Equipment	Source	Material Cost A	Units B	Total Material Cost C=A*B	Install Cost D	Total Install Cost E=B*D	Total Cost F=C+E	Fill Factor G	Common Transport Factor H	Transport Cost I=(F/G)*H
1	OC-48 ADM	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	#DIV/0!
2	OC-12 ADM	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	#DIV/0!
3	OC-3/DS1 Terminal Mux	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	#DIV/0!
4	Pigtails	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	#DIV/0!
5	Fiber Patch Panel	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	#DIV/0!
6	Channel Bank	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	#DIV/0!
7	Digital Cross Connect	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	#DIV/0!
8	OC-48 Regenerator	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	#DIV/0!
9	Total				-		-	-			#DIV/0!
	Chksum							-			

Line	CWF	Source	Weighted Average Install Cost/Unit A	Units B	Total Cost C=A*B	Weighted Average Material Cost/Unit D	Total Material Cost E=B*D	Total Facility Cost F=C+E	Fill Factor G	Structure Sharing Factor H	Common Transport Factor I	Common Transport Cost J=(F/G)*H*I
1	Poles	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	0.00	#DIV/0!
2	Aerial	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	0.00	#DIV/0!
3	Underground	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	0.00	#DIV/0!
4	Buried	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	0.00	#DIV/0!
5	Conduit	INPUT_OTHER	-	-	-	-	-	-	0.00	0.00	0.00	#DIV/0!
6	Total				-		-	-				#DIV/0!
	Chksum							-				

Line	Description	Source	Investment Amount A	Annual Capital Cost Factor B CAPCOST FACTORS	Annual Investment C=A*B	Direct: Direct Expense & Tax Factor D INPUT_ Expense_Factors	Direct: Annual Direct Expenses & Taxes E=A*D	Shared: Shared Expense Factor F INPUT_ Expense_Factors	Shared: Annual Indirect Expenses G=A*F	Total Annual Cost H=C+E+G
	Switch 1									
1	2212 Switch	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2	2111 Land	INPUT_OTHER	#DIV/0!	0	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
3	2121 Buildings	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
4	Total				#DIV/0!					#DIV/0!
	Switch 2.									
5	2212 Switch	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	2111 Land	INPUT_OTHER	#DIV/0!	0	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
7	2121 Buildings	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
8	Total				#DIV/0!					#DIV/0!
	Switch 3·									
9	2212 Switch	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10	2111 Land	INPUT_OTHER	#DIV/0!	0	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
11	2121 Buildings	INPUT_OTHER	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
12	Total				#DIV/0!					#DIV/0!
	Total Switch									
13	2212 Switch		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
14	2111 Land		#DIV/0!	0	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
15	2121 Buildings		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			#DIV/0!
16	Total				#DIV/0!					#DIV/0!
	Chksum-Total				#DIV/0!					#DIV/0!
	Chksum-Switch						#DIV/0!		#DIV/0!	#DIV/0!
	Chksum-Land									#DIV/0!
	Chksum-Bldg						#DIV/0!			#DIV/0!

Switch 1. 0

Line	Equipment	Vendor Price A	Discount Factor B	Total Cost C=A*B	EF&I D (Note 1)	Power E (Note 2)	Total Switch F=C+D+E	Land G (Note 3)	Building H (Note 4)
1	Tandem Switching	-	0 00	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2	Local Switching	-	0 00	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Trunk Ports	-	0 00	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Total	-		-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Total Investment	-			-	-		-	-

Note 1. D=(C/sumC)*D_L5
Note 2: E=(C/sumC)*E_L5
Note 3. G=(F/sumF)*G_L5
Note 4 H=(F/sumF)*H_L5

Switch 2 0

Line	Equipment	Vendor Price A	Discount Factor B	Total Cost C=A*B	EF&I D (Note 1)	Power E (Note 2)	Total Switch F=C+D+E	Land G (Note 3)	Building H (Note 4)
1	Local Switching	-	0 00	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2	Trunk Ports	-	0.00	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Total	-		-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Total Investment	-			-	-		-	-

Note 1. D=(C/sumC)*D_L4
Note 2: E=(C/sumC)*E_L4
Note 3: G=(F/sumF)*G_L4
Note 4: H=(F/sumF)*H_L4

Switch 3 0

Line	Equipment	Vendor Price A	Discount Factor B	Total Cost C=A*B	EF&I D (Note 1)	Power E (Note 2)	Total Switch F=C+D+E	Land G (Note 3)	Building H (Note 4)
1	Local Switching	-	0.00	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2	Trunk Ports	-	0 00	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Total	-		-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Total Investment	-			-	-		-	-

Note 1. D=(C/sumC)*D_L4
Note 2 E=(C/sumC)*E_L4
Note 3 G=(F/sumF)*G_L4
Note 4· H=(F/sumF)*H_L4

Switch Total

Line	Equipment	Vendor Price	Total Cost	EF&I	Power	Total Switch	Land	Building
1	Tandem Switching	-	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2	Local Switching	-	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Trunk Ports	-	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Total	-		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Checksum	-				#DIV/0!	#DIV/0!	#DIV/0!
	Input Total	-		-	-		-	-

Line	Plant	Source	Investment Amount A	Annual Capital Cost Factor B	Annual Investment C=A*B	Direct Expense & Tax Factor D	Annual Direct Expenses & Taxes E=A*D	Total Annual Cost F=C+E
1	2111 Land	Input	-	0 000000	-	#DIV/0!	#DIV/0!	#DIV/0!
2	2112 Motor Vehicles	Input	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	2115 Garage Work Equipment	Input	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	2116 Other Work Equipment	Input	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	2121 Buildings	Input	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	2122 Furniture	Input	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
7	2123 1 Company Office Equip	Input	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	2123 2 Company Comm Equip	Input	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	2124 General Purpose Computers	Input	-	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
10	Total		-					#DIV/0!

A	Investment Type	Vehicles
B	Account Number	2112
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4 (1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	200 00	320 00	192 00	115 20	115 20	57 60	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	200 00	520 00	712 00	827 20	942 40	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 (Interest + 1)^ n)))
where n = Book Life

A	Investment Type	Vehicles
B	Account Number	2112
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4 F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Vehicles
B	Account Number	2112
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Vehicles
B	Account Number	2112
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	GWE
B	Account Number	2115
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F) D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	142 90	244 90	174 90	124 90	89 30	89 20	89 30	44 60	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	142 90	387 80	562 70	687 60	776 90	866 10	955 40	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub I / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal (Interest / (1 (Interest + 1)^ n)))
where n = Book Life

A	Investment Type	GWE
B	Account Number	2115
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4 F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	GWE
B	Account Number	2115
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	GWE
B	Account Number	2115
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	7.00
I	Tax Rate	0.00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10 11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	OWE
B	Account Number	2116
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	142 90	244 90	174 90	124 90	89 30	89 20	89 30	44 60	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	142 90	387 80	562 70	687 60	776 90	866 10	955 40	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest, and Term
The following formula calculates the periodic payment. Payment = (Principal * (Interest / (1 (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	OWE
B	Account Number	2116
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	OWE
B	Account Number	2116
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	OWE
B	Account Number	2116
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Building
B	Account Number	2121
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	31.50
I	Tax Rate	0.00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	17.20	31.75	31.75	31.75	31.75	31.75	31.75	31.74	31.75	31.74	31.75	31.74	31.75	31.74	31.75	31.74
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	17.20	48.95	80.70	112.45	144.20	175.95	207.70	239.44	271.19	302.93	334.68	366.42	398.17	429.91	461.66	493.40
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 (Interest + 1)^-n))),
where n = Book Life

A	Investment Type	Building
B	Account Number	2121
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	31 50
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	31 75	31 74	31 75	31 74	31 75	31 74	31 75	31 74	31 75	31 74	31 75	31 74	31 75	31 74	31 75	30 42
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	525 15	556 89	588 64	620 38	652 13	683 87	715 62	747 36	779 11	810 85	842 60	874 34	906 09	937 83	969 58	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Building
B	Account Number	2121
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	31 50
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Building
B	Account Number	2121
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	31 50
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Furniture
B	Account Number	2122
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	142 90	244 90	174 90	124 90	89 30	89 20	89 30	44 60	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	142 90	387 80	562 70	687 60	776 90	866 10	955 40	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Furniture
B	Account Number	2122
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Furniture
B	Account Number	2122
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Furniture
B	Account Number	2122
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Office Equip
B	Account Number	2123 1
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	142 90	244 90	174 90	124 90	89 30	89 20	89 30	44 60	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	142 90	387 80	562 70	687 60	776 90	866 10	955 40	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Office Equip
B	Account Number	2123.1
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	7.00
I	Tax Rate	0.00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5-8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Office Equip
B	Account Number	2123 1
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1 000 00	1,000 00	1 000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Office Equip
B	Account Number	2123 1
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10 11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Com Equip
B	Account Number	2123 2
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	142 90	244 90	174 90	124 90	89 30	89 20	89 30	44 60	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	142 90	387 80	562 70	687 60	776 90	866 10	955 40	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n, where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest, and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Com Equip
B	Account Number	2123.2
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	7.00
I	Tax Rate	0.00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Com Equip
B	Account Number	2123 2
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Com Equip
B	Account Number	2123 2
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	7 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	GPC
B	Account Number	2124
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	5.00
I	Tax Rate	0.00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	200.00	320.00	192.00	115.20	115.20	57.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	200.00	520.00	712.00	827.20	942.40	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	GPC
B	Account Number	2124
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	5.00
I	Tax Rate	0.00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5-8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	GPC
B	Account Number	2124
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4 F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	GPC
B	Account Number	2124
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	5.00
I	Tax Rate	0.00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F) D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10 11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Switch
B	Account Number	2212
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	5.00
I	Tax Rate	0.00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	200.00	320.00	192.00	115.20	115.20	57.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	200.00	520.00	712.00	827.20	942.40	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Switch
B	Account Number	2212
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4 (1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1 000 00	1,000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Switch
B	Account Number	2212
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Switch
B	Account Number	2212
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	5.00
I	Tax Rate	0.00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Radio
B	Account Number	2231
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	200 00	320 00	192 00	115 20	115 20	57 60	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	200 00	520 00	712 00	827 20	942 40	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub I / (1 + Interest rate) ^ i) from i = 1 to n, where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The Interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Radio
B	Account Number	2231
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Radio
B	Account Number	2231
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	5.00
I	Tax Rate	0.00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5-8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Radio
B	Account Number	2231
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	5.00
I	Tax Rate	0.00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4-F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5-8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Circuit
B	Account Number	2232
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	5.00
I	Tax Rate	0.00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	200.00	320.00	192.00	115.20	115.20	57.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	200.00	520.00	712.00	827.20	942.40	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest, and Term
The following formula calculates the periodic payment. Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Circuit
B	Account Number	2232
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Circuit
B	Account Number	2232
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Circuit
B	Account Number	2232
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	5 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Poles
B	Account Number	2411
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	15.00
I	Tax Rate	0.00%

Line Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Capital Items																	
1 Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2 Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3 Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4 Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5 Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6 Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Expenses																	
7 Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8 Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9 Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Deferred Tax Calculation																	
10 Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11 Depreciation (Tax)	Tax Table	50.00	95.00	85.50	77.00	69.30	62.30	59.00	59.00	59.10	59.00	59.10	59.00	59.10	59.00	59.10	29.50
12 Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13 Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14 Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15 Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16 Accumulated Depreciation (Tax)	Ln11+16 prior	50.00	145.00	230.50	307.50	376.80	439.10	498.10	557.10	616.20	675.20	734.30	793.30	852.40	911.40	970.50	1,000.00
17 NPV Revenue Requirement	Note 1	#DIV/0!															
18 NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19 Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Poles
B	Account Number	2411
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1,000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Poles
B	Account Number	2411
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Poles
B	Account Number	2411
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	15.00
I	Tax Rate	0.00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5-8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Aerial
B	Account Number	2421
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	50 00	95 00	85 50	77 00	69 30	62 30	59 00	59 00	59 10	59 00	59 10	59 00	59 10	59 00	59 10	29 50
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	50 00	145 00	230 50	307 50	376 80	439 10	498 10	557 10	616 20	675 20	734 30	793 30	852 40	911 40	970 50	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal (Interest / (1 (Interest + 1)^-n))),
where n = Book Life

A	Investment Type	Aerial
B	Account Number	2421
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Aerial
B	Account Number	2421
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1 000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Aerial
B	Account Number	2421
C	Investment Amount	$1,000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Underground
B	Account Number	2422
C	Investment Amount	$1,000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	50 00	95 00	85 50	77 00	69 30	62 30	59 00	59 00	59 10	59 00	59 10	59 00	59 10	59 00	59 10	29 50
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	50 00	145 00	230 50	307 50	376 80	439 10	498 10	557 10	616 20	675 20	734 30	793 30	852 40	911 40	970 50	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal, Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Underground
B	Account Number	2422
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Underground
B	Account Number	2422
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Underground
B	Account Number	2422
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Buried
B	Account Number	2423
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	50 00	95 00	85 50	77 00	69 30	62 30	59 00	59 00	59 10	59 00	59 10	59 00	59 10	59 00	59 10	29 50
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	50 00	145 00	230 50	307 50	376 80	439 10	498 10	557 10	616 20	675 20	734 30	793 30	852 40	911 40	970 50	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The Interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Buried
B	Account Number	2423
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	15.00
I	Tax Rate	0.00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4 F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Buried
B	Account Number	2423
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	15.00
I	Tax Rate	0.00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1 (1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5-8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Buried
B	Account Number	2423
C	Investment Amount	$1,000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	15.00
I	Tax Rate	0.00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Submarine
B	Account Number	2424
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4 (1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	50 00	95 00	85 50	77 00	69 30	62 30	59 00	59 00	59 10	59 00	59 10	59 00	59 10	59 00	59 10	29 50
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	50 00	145 00	230 50	307 50	376 80	439 10	498 10	557 10	616 20	675 20	734 30	793 30	852 40	911 40	970 50	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Submarine
B	Account Number	2424
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Submarine
B	Account Number	2424
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4 F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Submarine
B	Account Number	2424
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F) D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Intrabuild
B	Account Number	2426
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F) D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	50 00	95 00	85 50	77 00	69 30	62 30	59 00	59 00	59 10	59 00	59 10	59 00	59 10	59 00	59 10	29 50
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	50 00	145 00	230 50	307 50	376 80	439 10	498 10	557 10	616 20	675 20	734 30	793 30	852 40	911 40	970 50	1 000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub I / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment. Payment = (Principal * (Interest / (1 (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Intrabuild
B	Account Number	2426
C	Investment Amount	$1 000
D	Cost of Debt	0.00%
E	Return on Equity	0.00%
F	% Debt	0.00%
G	Book Life	#DIV/0!
H	Tax Life	15.00
I	Tax Rate	0.00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5-8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Intrabuild
B	Account Number	2426
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Intrabuild
B	Account Number	2426
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Aerial Wire
B	Account Number	2431
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4 (1-F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	50 00	95 00	85 50	77 00	69 30	62 30	59 00	59 00	59 10	59 00	59 10	59 00	59 10	59 00	59 10	29 50
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	50 00	145 00	230 50	307 50	376 80	439 10	498 10	557 10	616 20	675 20	734 30	793 30	852 40	911 40	970 50	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 - % Debt) * Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal Interest and Term
The following formula calculates the periodic payment. Payment = (Principal * (Interest / (1 (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Aerial Wire
B	Account Number	2431
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1-I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4 F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Aerial Wire
B	Account Number	2431
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Aerial Wire
B	Account Number	2431
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

A	Investment Type	Conduit
B	Account Number	2441
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1 F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5 (I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	50 00	95 00	85 50	77 00	69 30	62 30	59 00	59 00	59 10	59 00	59 10	59 00	59 10	59 00	59 10	29 50
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12 13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	50 00	145 00	230 50	307 50	376 80	439 10	498 10	557 10	616 20	675 20	734 30	793 30	852 40	911 40	970 50	1,000 00
17	NPV Revenue Requirement	Note 1	#DIV/0!															
18	NPV Rev Req Converted to an Annuity	Note 2	#DIV/0!															
19	Annual Capital Cost Factor	Ln 18 / C	#DIV/0!															

Note 1 NPV is calculated as follows
NPV = (v sub i / (1 + Interest rate) ^ i) from i = 1 to n where n = the number of cash flows
Interest Rate = ((% Debt * Cost of Debt) + (1 % Debt) Return on Equity))

Note 2 NPV Revenue Requirement Converted to an Annuity is calculated as follows
The interest rate calculation is the same as that in Note 1 The component parts are Principal, Interest and Term
The following formula calculates the periodic payment. Payment = (Principal * (Interest / (1 - (Interest + 1)^-n)))
where n = Book Life

A	Investment Type	Conduit
B	Account Number	2441
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
	Capital Items																	
1	Gross Asset	C	1 000 00	1,000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	-Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1 000 00	1 000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Conduit
B	Account Number	2441
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	Capital Items																	
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F)*E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses																	
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation																	
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1																
18	NPV Rev Req Converted to an Annuity	Note 2																
19	Annual Capital Cost Factor	Ln 18 / C																

A	Investment Type	Conduit
B	Account Number	2441
C	Investment Amount	$1 000
D	Cost of Debt	0 00%
E	Return on Equity	0 00%
F	% Debt	0 00%
G	Book Life	#DIV/0!
H	Tax Life	15 00
I	Tax Rate	0 00%

Line	Year	Source	49	50	51	52	53	54	55	56	57	58	59	60
	Capital Items													
1	Gross Asset	C	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00	1 000 00
2	Depreciation Reserve	Ln7+2 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	Accumulated Deferred Income Tax	Ln14+3 prior	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	Net Asset	Ln1+2+3	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
5	Return on Equity	Ln4*(1-F) E	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
6	Taxes	Ln5*(I/1 I)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Expenses													
7	Depreciation (Book)	Ln1*(1/G)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
8	Interest	(Ln4*F)*D	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
9	Revenue Requirement	Ln5 8	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Deferred Tax Calculation													
10	Depreciation (Book)	Ln7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
11	Depreciation (Tax)	Tax Table	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
12	Difference	Ln10-11	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
13	Tax Rate	I	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%	0 00%
14	Deferred Tax Amount	Ln12*13	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	Current Taxes	Ln6+14	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16	Accumulated Depreciation (Tax)	Ln11+16 prior	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1 000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00
17	NPV Revenue Requirement	Note 1												
18	NPV Rev Req Converted to an Annuity	Note 2												
19	Annual Capital Cost Factor	Ln 18 / C												

Depreciation for Federal Income Tax

Year	3 Year Table		5 Year Table		7 Year Table		10 Year Table		15 Year Table		20 Year Table		31 5 Year Table	
	Depr Rate	x $1,000	Depr Rate	x $1,000	Depr Rate	x $1,000	Depr Rate	x $1,000	Depr Rate	x $1,000	Depr Rate	x $1,000	Depr Rate	x $1,000
1	33 33%	$333 30	20 00%	$200 00	14 29%	$142.90	10 00%	$100 00	5 00%	$50 00	3 75%	$37 50	1 72%	$17 20
2	44 45%	$444 50	32 00%	$320 00	24 49%	$244 90	18.00%	$180 00	9 50%	$95 00	7 22%	$72 19	3 18%	$31 75
3	14.81%	$148 10	19 20%	$192 00	17 49%	$174 90	14 40%	$144 00	8 55%	$85.50	6 68%	$66.77	3 18%	$31 75
4	7 41%	$74 10	11 52%	$115.20	12.49%	$124 90	11 52%	$115 20	7 70%	$77 00	6 18%	$61 77	3 18%	$31 75
5			11.52%	$115 20	8 93%	$89 30	9 22%	$92 20	6 93%	$69 30	5.71%	$57 13	3 18%	$31 75
6			5 76%	$57 60	8 92%	$89 20	7 37%	$73 70	6 23%	$62.30	5 29%	$52 85	3 18%	$31 75
7					8 93%	$89.30	6 55%	$65 50	5 90%	$59 00	4 89%	$48 88	3 18%	$31 75
8					4 46%	$44 60	6 55%	$65.50	5.90%	$59 00	4 52%	$45 22	3 17%	$31 74
9							6 56%	$65.60	5.91%	$59 10	4 46%	$44 62	3 18%	$31 75
10							6 55%	$65 50	5 90%	$59 00	4 46%	$44 61	3.17%	$31 74
11							3 28%	$32.80	5 91%	$59 10	4.46%	$44.62	3 18%	$31 75
12									5.90%	$59 00	4 46%	$44 61	3 17%	$31 74
13									5 91%	$59 10	4 46%	$44 62	3 18%	$31 75
14									5 90%	$59 00	4 46%	$44 61	3 17%	$31.74
15									5 91%	$59 10	4 46%	$44 62	3 18%	$31 75
16									2 95%	$29 50	4 46%	$44 61	3 17%	$31 74
17											4 46%	$44 62	3 18%	$31 75
18											4 46%	$44 61	3 17%	$31 74
19											4 46%	$44 62	3 18%	$31 75
20											4 46%	$44 61	3 17%	$31 74
21											2 23%	$22 31	3.18%	$31 75
22													3 17%	$31 74
23													3 18%	$31 75
24													3 17%	$31 74
25													3 18%	$31 75
26													3 17%	$31 74
27													3 18%	$31 75
28													3 17%	$31 74
29													3 18%	$31 75
30													3 17%	$31 74
31													3 18%	$31 75
32													3 04%	$30 42
33													0.00%	$0 00
Total	100 00%	$1,000 00	100 00%	$1,000 00	100 00%	$1,000 00	100 00%	$1,000.00	100 00%	$1,000 00	100 00%	$1,000.00	100 00%	$1,000 00

Line	Account No	Account Name	Abbreviated Account Name	Estimated Future Net Salvage A	Average Service Life B	Depreciation Rate C=(1-A)/B	Book Life D=1/C	Tax Life E
1	2112	Motor Vehicles	Vehicles			#DIV/0!	#DIV/0!	5 00
2	2115	Garage Work Equipment	GWE			#DIV/0!	#DIV/0!	7 00
3	2116	Other Work Equipment	OWE			#DIV/0!	#DIV/0!	7.00
4	2121	Buildings	Building			#DIV/0!	#DIV/0!	31 50
5	2122	Furniture	Furniture			#DIV/0!	#DIV/0!	7 00
6	2123 1	Office Support Equipment	Office Equip			#DIV/0!	#DIV/0!	7.00
7	2123.2	Company Communications Equipment	Com Equip			#DIV/0!	#DIV/0!	7 00
8	2124	General Purpose Computers	GPC			#DIV/0!	#DIV/0!	5 00
9	2212	Digital Electronic Switching	Switch			#DIV/0!	#DIV/0!	5 00
10	2231	Radio Systems	Radio			#DIV/0!	#DIV/0!	5 00
11	2232	Circuit Equipment	Circuit			#DIV/0!	#DIV/0!	5 00
12	2411	Poles	Poles			#DIV/0!	#DIV/0!	15.00
13	2421	Aerial Cable	Aerial			#DIV/0!	#DIV/0!	15.00
14	2422	Underground Cable	Underground			#DIV/0!	#DIV/0!	15.00
15	2423	Buried Cable	Buried			#DIV/0!	#DIV/0!	15 00
16	2424	Submarine Cable	Submarine			#DIV/0!	#DIV/0!	15.00
17	2426	Intrabuilding Network Cable	Intrabuild			#DIV/0!	#DIV/0!	15.00
18	2431	Aerial Wire	Aerial Wire			#DIV/0!	#DIV/0!	15 00
19	2441	Conduit Systems	Conduit			#DIV/0!	#DIV/0!	15.00

Capital Cost Factor_Land

Line	Description	Source	Total
1	Investment Amount		1,000 00
2	Cost of Debt	Input	0 00%
3	Return on Equity	Input	0.00%
4	Debt Percentage	Input	0.00%
5	Tax Rate		0.00%
6	Gross Asset	L1	1,000 00
7	Return on Equity	L3	0.00%
8	Return on Investment	L6*L7	0.00
9	Interest	L6*L2*L4	0 00
10	Net Return	L8-L9	0 00
11	Tax Rate	L5	0.00%
12	Income Taxes	L10*L11	0 00
13	Revenue Requirement	L10+L12	0.00
14	Investment Amount	L1	1,000.00
15	Annual Capital Cost Factor	L13/L14	0.000000

Line	Description	Source	Rate
1	State Tax Rate	Input	0 00%
2	Federal Tax Rate	Input	0 00%
3	1-State Tax Rate	1 0-L2	100.00%
4	Federal Tax Rate	L2	0.00%
5	Adjusted Federal Tax Rate	L3*L4	0 00%
6	State Tax Rate	L1	0.00%
7	Effective Tax Rate	L5+L6	0 00%

Account Number	Account Name	Expense Balance	Related Investment Accounts	Related Investment Balance	Expense & Tax Factors
6112	Motor Vehicle Expense		2112		#DIV/0!
6113	Aircraft Expense		2113		
6115	Garage Work Equipment Expense		2115		#DIV/0!
6116	Other Work Equipment Expense		2116		#DIV/0!
	Total 6110, Network Support Expenses				
6121	Land & Building Expense		2122/2121		#DIV/0!
6122	Furniture & Artworks Expense		2122		#DIV/0!
6123	Office Equipment Expense		2123		#DIV/0!
6124	General Purpose Computers Expense		2124		#DIV/0!
	Total 6120, General Support Expenses				
6211	Non-digital Switching Expense				
6212	Digital Electronic Expense		2212		#DIV/0!
	Total 6210, Central Office Switching Expense				
6231	Radio Systems Expense		2231		
6232	Circuit Equipment Expense		2232		#DIV/0!
	Total Account 6230, Central Office Transmission Expense				
6411	Poles Expense		2411		#DIV/0!
6421	Aerial Cable Expense		2421		#DIV/0!
6422	Underground Cable Expense		2422		#DIV/0!
6423	Buried Cable Expense		2423		#DIV/0!
6424	Submarine Cable Expense		2424		
6425	Deep Sea Cable Expense		2425		
6426	Intrabuilding Network Cable Expense		2426		
6431	Aerial Wire Expense		2431		
6441	Conduit Systems Expense		2441		#DIV/0!
	Total Account 6410, Cable & Wire Facilities Expense				
	Total Plant Specific				

Account Number	Account Name	Expense Balance	Related Investment Accounts	Related Investment Balance	Expense & Tax Factors
6511	Property Held for Future Telecommunications Use		2210/2230/2410 exc2411/2441		
6512	Provisioning Expense		2210/2230/2410 exc2411/2441		#DIV/0!
	Total Account 6510, Other Property, Plant & Equipment Expense				#DIV/0!
6531	Power Expense		2210/2230		#DIV/0!
6532	Network Administration Expense		2210/2230/2410 exc2411/2441		#DIV/0!
6533	Testing Expense		2210/2230/2410 exc2411/2441		#DIV/0!
6534	Plant Operations Administration Expense		2210/2230/2410 exc2411/2441		#DIV/0!
6535	Engineering Expense		2210/2230/2410 exc2411/2441		#DIV/0!
	Total Account 6530, Network Operations Expense				#DIV/0!

Line	Switch Locations
1	
2	
3	

		Switch Locations			
Line	COE	1	2	3	Total
4	Tandem Switching				
5	Local Switching				
6	Trunk Ports				
7	EF&I				
8	Power				
9	Land				
10	Building				

Line	CWF	Weighted Average Install Cost/Unit	Units	Weighted Average Material Cost/Unit	Fill Factor	Structure Sharing Factor	Common Transport Factor
11	Poles						
12	Aerial						
13	Underground						
14	Buried						
15	Conduit						

Line	Circuit Equipment	Material Cost	Units	Install Cost	Fill Factor	Interoffice Transport Factor
16	OC-48 ADM					
17	OC-12 ADM					
18	OC-3/DS1 Terminal Mux					
19	Pigtails					
20	Fiber Patch Panel					
21	Channel Bank					
22	Digital Cross Connect					
23	OC-48 Regenerator					

Line	General Support Facilities	Cost
24	Land	
25	Motor Vehicles	
26	Garage Work Equipment	
27	Other Work Equipment	
28	Buildings	
29	Furniture	
30	Company Office Equip	
31	Company Comm Equip	
32	General Purpose Computers	

Line	Other	Value
33	Cost of Debt	
34	Return on Equity	
35	Debt Percentage	
36	State Income Tax Rate	
37	Federal Income Tax Rate	
38	Property Tax Rate	
39	Switch Vendor Discount	
40	Common Cost Factor	
41	Uncollectibles	
42	Minutes	