Unitil
Unitil Service Corp.

January 20, 2004

HAND-DELIVERED

Ms. Mary L. Cottrell, Secretary
Department of Telecommunications and Energy
One South Station, 2nd floor
Boston, MA 02110

Re: Investigation Pursuant to G.L. c. 164 §§ 1A(a), 1B(d), 94 and 220 C.M.R. § 11.04 into Costs that Should be Included in Default Service Rates; D.T.E. 03-88D

Dear Secretary Cottrell:

Enclosed for filing, please find and original and ten (10) copies of the pre-filed testimony and schedules of Karen M. Asbury, Director of Regulatory Services for Unitil Service Corp., filed on behalf of Fitchburg Gas and Electric Light Company ("FG&E") in the above-referenced docket. Also enclosed is a Motion Pro Hac Vice on behalf of the undersigned counsel. Kindly date-stamp one copy of the filing and return in the enclosed self-addressed stamped envelop.

Thank you for your attention to this matter.

Sincerely,

Gary Epler

Enclosure

cc: Andrew Kaplan, General Counsel, MDTE
Kevin Brannelly, Director, Rates and Revenue Requirements, MDTE
Joseph Rogers, Assistant Attorney General
Robert Sydney, General Counsel, DOER
David McKeehan, President, No. Central Mass. Chamber of Commerce

Gary Epler
Senior Regulatory Counsel

6 Liberty Lane West
Hampton, NH 03842-1720

Phone: 603-773-6440
Fax: 603-773-6640
Email: epler@unitil.com

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

Investigation Pursuant to G.L. c. 164 §§ 1A(a), 1B(d), 94 and 220 C.M.R. § 11.04 into Costs that Should be Included in Default Service Rates	)	**D.T.E. 03-88D**

MOTION FOR ADMISSION PRO HAC VICE

The undersigned counsel for Fitchburg Gas and Electric Light Company ("FG&E"), Gary Michael Epler, hereby moves for admission pro hac vice in the above captioned proceeding before the Massachusetts Department of Telecommunications and Energy ("Department"), pursuant to 220 CMR 1.02 and 801 CMR 1.01. In support of this motion, Mr. Epler states as follows:

1. Mr. Epler is employed as Senior Regulatory Counsel by Unitil Service Corp., 6 Liberty Lane West, Hampton, New Hampshire, 03842.

2. As shown in the attached affidavit, Mr. Epler is a member in good standing of the New Hampshire, New Jersey, New Mexico (in-active status) and New York bars and is currently admitted to practice before the New Hampshire, New Jersey, New Mexico and New York state courts, the federal district courts located in each of these states, as well as the federal 1st, 2nd, 3rd, 10th and District of Columbia Courts ofAppeals. Mr. Epler is in the process of completing and submitting his Application for Admission on Motion to the bar of the Commonwealth of Massachusetts. Mr. Epler is not currently and has never been suspended or disbarred in any jurisdiction and there are no disciplinary proceedings pending against him in any jurisdiction. He is familiar with the facts of this proceeding for which FG&E shall appear before the Department and

agrees to adhere to the Department's rules and orders, and applicable agreements between the parties.

WHEREFORE, Mr. Epler respectfully requests that the Department permit him to appear pro hac vice for the purpose of representing FG&E in this proceeding, and requests further that this motion be deemed to satisfy the requirement of 220 CMR 1.02(7) regarding the filing of an Appearance.

Dated: January 20, 2004

Respectfully submitted,

Gary Epler
Sr. Regulatory Counsel
Unitil Service Corp
6 Liberty Lane West
Hampton, NH 03842
(603) 773-6440
epler@unitil.com

Certificate

I certify that copies of this Motion Pro Hac Vice and accompanying affidavit have been served this 20th day of January, via overnight express mail, upon the Massachusetts Office of the Attorney General, and the Massachusetts Division of Energy Resources.

Gary Epler

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

Investigation Pursuant to G.L. c. 164 §§ 1A(a), 1B(d), 94 and 220 C.M.R. § 11.04 into Costs that Should be Included in Default Service Rates	)	**D.T.E. 03-88D**

AFFIDAVIT

Gary Michael Epler, having been duly sworn, states under oath as follows:

1. I am over eighteen years of age; I am competent to provide this affidavit; and I have personal knowledge of the facts set forth below.
2. I am employed by Unitil Service Corp. ("USC") as Senior Regulatory Counsel.
3. USC is a corporation providing services to the subsidiaries of Unitil Corporation, a New Hampshire corporation and a registered holding company under the Public Utility Holding Company Act of 1935.
4. Fitchburg Gas and Electric Light Company is a wholly owned subsidiary of Unitil Corporation.
5. I am a member in good standing of the New Hampshire, New Jersey, New Mexico (in-active status) and New York bars and am currently admitted to practice before the New Hampshire, New Jersey, New Mexico and New York state courts, the federal district courts located in each of these states, as well as the federal 1st, 2nd, 3rd, 10th and District of Columbia Courts of Appeals. I am in the process of completing and submitting my Application for Admission on Motion to the bar of the Commonwealth of Massachusetts.
6. I am not currently and have never been suspended or disbarred in any jurisdiction and there are no disciplinary proceedings pending against me in any jurisdiction.

7. I am familiar with the facts of this proceeding for which FG&E appears before the Department and agrees to adhere to the Department's rules and orders, and applicable agreements between the parties.

DATED this 19TH day of JANUARY, 2004.

Gary Epler

STATE OF NEW HAMPSHIRE)
) :ss
COUNTY OF ROCKINGHAM)

On this 19TH day of JANUARY, 2004, personally appeared before me Gary Michael Epler, the signer of the above instrument, who duly acknowledged to me that he executed the same.

Notary Public
Residing in ROCKINGHAM County

My Commission Expires:

CHAD R. DIXON, Notary Public
My Commission Expires January 4, 2006

FITCHBURG GAS AND ELECTRIC LIGHT COMPANY

D.T.E. 03-88D

TESTIMONY OF KAREN M. ASBURY

COSTS TO BE INCLUDED IN DEFAULT SERVICE

January 20, 2004

Massachusetts Department of Telecommunications and Energy

TABLE OF CONTENTS

I. INTRODUCTION	Page 1
II. PURPOSE OF TESTIMONY	Page 2
III. PRESENTATION OF SCHEDULES	Page 3
IV. RATE MECHANICS	Page 10
V. BILL IMPACTS	Page 13
VI. CONCLUSION	Page 13

1 **I. INTRODUCTION**

2 Q. Please state your name and business address.

3 A. My name is Karen M. Asbury. My business address is 6 Liberty Lane West,
4 Hampton, New Hampshire 03842.

5

6 Q. For whom do you work and in what capacity?

7 A. I am Director of Regulatory Services for Unitil Service Corp. ("USC"), an
8 affiliate of Fitchburg Gas and Electric Light Company ("FG&E"). Both
9 companies are members of the Unitil System and subsidiaries of Unitil
10 Corporation. In this capacity, I am responsible for directing regulatory filings,
11 pricing research and analysis, pricing design, tariff administration, cost of
12 service calculations, economic analyses, customer research, and other
13 analytical services for FG&E's Gas and Electric Divisions and FG&E's
14 affiliate in NH, Unitil Energy Systems, Inc. ("UES") (formerly Concord
15 Electric Company and Exeter & Hampton Electric Company).

16

17 Q. Please describe your business and educational background.

18 A. In 1987, I graduated *magna cum laude* from the University of New Hampshire
19 with a Bachelor of Science Degree in Mathematics. I joined USC in January
20 1988 and have held various positions in the regulatory/rate department. I have
21 been involved in regulatory compliance and rate analysis for electric and gas
22 utilities for over fifteen years. I have attended several industry seminars and

1 courses, including the Edison Electric Institute's Electric Rate Advanced
2 Course at Indiana University.
3
4 Q. Have you previously testified before the Department of Telecommunications
5 and Energy ("Department")?
6 A. Yes. I have previously testified before the Department in numerous gas and
7 electric cases, including D.T.E. 02-24/25, FG&E's last base rate case, D.T.E.
8 97-115/98-120, FG&E's Electric Restructuring Plan and D.T.E. 99-110,
9 FG&E's 2000 Electric Reconciliation Mechanism and Inflation Adjustment
10 Filing. I recently submitted testimony, but have not yet testified, in D.T.E 03-
11 115, FG&E's Electric Reconciliation Mechanism and Inflation Adjustment
12 Filing for 2003. I have also testified before the New Hampshire Public
13 Utilities Commission in support of various filings of UES.
14
15 **II. PURPOSE OF TESTIMONY**
16 Q. What is the purpose of your testimony in this proceeding?
17 A. On November 17, 2003, the Department opened this docket (and companion
18 dockets with respect to each electric distribution company providing service to
19 Massachusetts consumers) to investigate the level of costs incurred by FG&E
20 that should be included in its default service rates. Pursuant to the order
21 opening the investigation, the Department directed each distribution company
22 to submit a filing that: (1) identifies its wholesale-related and direct retail-

related default service costs, based on the most recent twelve-month period for which such cost data are available; (2) allocates those costs to its default service customer classes on a per kilowatt-hour ("KWH") basis; and (3) calculates adjustments to its distribution base rates based on a per-KWH allocation to each rate class of the identified default service costs. In my testimony and attached schedules, I provide the information requested by the Department on behalf of FG&E.

III. PRESENTATION OF SCHEDULES

Q. Please describe the schedules attached to your testimony.

A. I am sponsoring four schedules: KMA-1 through KMA-4. KMA-1 provides a listing of the wholesale- and direct retail-related default service costs incurred on an annual basis by FG&E. Schedule KMA-2 provides sample default service rates using the default service rates in effect on February 1, 2004 as the basis. Schedule KMA-3 is the calendar year 2003 bad debt write-offs and recoveries for FG&E's Electric Division. Schedule KMA-4 presents default service customer bill impacts, again using February 1, 2004 rates as a basis as compared to new rates, with the identified costs included in default service.

Q. Is FG&E proposing any modifications to its current tariffs at this time?

A. No. Assuming that the Department approves the change in cost recovery for default service related costs from base rates to default service rates, FG&E will file compliance tariffs incorporating changes to both default service and distribution base rates as directed. So that FG&E's costs are fully recovered, FG&E recommends that the default service and distribution base rate changes be implemented for all customer classes at the same time. In accordance with FG&E's default service solicitation schedule, its next default service rate change for all classes is June 1, 2004.

Q. Please explain the information presented in Schedule KMA-1.

A. Schedule KMA-1, Page 1 of 6, summarizes each of the costs that should be included in default service as outlined in the Department's Order. Pages 2 through 6 provide supporting detail.

Q. What costs did the Department say should be included in default service?

A. The Department concluded that the following costs should be included in the calculation of default service rates: procurement-related wholesale costs associated with (1) the design and implementation of the competitive bidding process, including the evaluation of supplier bids and contract negotiations, and (2) the ongoing administration and execution of contracts with suppliers, including accounting activities necessary to track payments made to suppliers; and direct retail costs associated with (1) unrecovered bad debt, (2)

1 compliance with the Department's default service regulatory requirements,
2 including required communications with its default service customers
3 pursuant to 220 C.M.R. 11.06, and (3) compliance with the Massachusetts
4 Renewable Energy Portfolio Standard, 225 C.M.R. 14.00.
5
6 Q. Are there other costs presented on Page 1?
7 A. Yes, as discussed later in my testimony, the cost of working capital is also
8 presented on this schedule.
9
10 Q. Have you calculated an adder to default service using a per-KWH allocation?
11 A. Yes. As shown on this page, FG&E's total default service costs, not including
12 supply and renewable energy certificate costs, equals $212,660. Using
13 calendar year 2003 kilowatt-hour sales for default service customers of
14 132,356,614, FG&E has calculated a sample default service cost adder of
15 $0.00161/KWH. The supply and renewable energy certificate costs are
16 excluded in computation of the adder since FG&E's current default service
17 rates already reflect these costs.
18
19 Q. Have you calculated an adjustment to base rates using a per-KWH allocation?
20 A. Yes, as shown on Page 1, costs to be subtracted from distribution base rates
21 total $69,633. Divided by total company calendar year 2003 kilowatt-hours of

506,123,065, FG&E has calculated a distribution base rate decrease of $0.00014/KWH.

Q. Why are certain costs shown on Page 1 excluded from the calculation of the distribution base rate adjustment?

A. Unrecovered bad debt and the cost of working capital were previously excluded from FG&E base rates as determined in the Department's order in FG&E's last rate case, D.T.E. 02-24/25. Pursuant to D.T.E. 02-24/25, the cost of working capital and bad debt are already allocated to default service but are being deferred until such time as these costs are approved for recovery in the default service price. Also, the cost of purchasing renewable energy certificates for default service customer load is an incremental cost already being recovered through default service rates.

Q. Please describe Page 2 of Schedule KMA-1.

A. Page 2 shows the detail of the wholesale costs. As shown, the Energy Services, Accounts Payable, and Treasury Departments of USC all perform funtions related to design and implementation of the competitive bidding process and ongoing administration. Annual labor costs were calculated based on the estimated amount of time to perform each function and multiplied by the department average salary for 2003. An overhead rate of 95%, also based on calendar year 2003, was applied to the total cost of labor.

This same methodology was used in determining labor costs for similar computations made on Schedule KMA-1, Pages 4 and 5.

Q. Please describe the wholesale functions performed by these groups.

A. The Energy Services Department designs and implements the competitive bid process associated with each default service solicitation, evaluates the supplier bids, performs contract negotiations and administers and executes contracts with the suppliers.

The Accounts Payable Department reviews and prepares for payment the invoices from default service power vendors.

The Treasury Department is responsible for completing wire transfers to pay default service power vendors. The Treasury Department also incurs approximately $528 each year due to completing wire transfers in order to pay default service providers.

Q. Please describe Page 3 of Schedule KMA-1.

A. Page 3 provides the monthly write-offs for FG&E's Electric Division. In D.T.E. 02-24/25, the Department allowed FG&E an annual bad debt expense of $405,501 in total for its Electric Division. An allocation factor, based on actual bad debt by component (delivery, standard offer, and default service)

1 was to be applied to this total in order to allocate an annual amount to default
2 service. As indicated above, though FG&E has been calculating its default
3 service bad debt allocation, the dollars are currently being deferred and,
4 therefore, not collected in FG&E's current default service rates. FG&E is
5 now proposing to include this cost with its default service cost adder. FG&E
6 would continue to update its allocation factor, based on the most recent
7 calendar year of actual data, as presented in its annual reconciliation filings.
8
9 Q. Please describe Page 4 of Schedule KMA-1.
10 A. Page 4 details FG&E's costs associated with its compliance with the
11 Department's regulatory requirements, including required communication
12 with default service customers pursuant to 220 CMR 11.06.
13
14 Q. Please describe the costs incurred by each department.
15 A. The Energy Services Department costs reflect annual labor associated with
16 preparing the disclosure label.
17
18 The Regulatory Services Department costs reflect labor associated with
19 preparing default service filings by regulatory staff including in-house
20 counsel. In addition, an estimate for the use of outside legal services and
21 miscellaneous costs such as tariff filing fees is included.
22

The Communications Department is responsible for printing the disclosure labels, default service bill messages, and default service bill inserts.

Finally, the Information Systems Department is responsible for posting default service rate changes to the Company's website.

Q. Please describe Page 5 of Schedule KMA-1.

A. Page 5 shows the estimated cost of FG&E's compliance with MA Renewable Energy Portfolio Standard, 225 CMR 14. This annual cost includes labor and the cost to purchase renewable energy certificates.

Q. Please describe Page 6 of Schedule KMA-1.

A. Page 6, which is provided in a format consistent with that found in FG&E's November 26, 2003 filing in D.T.E. 03-115 (see Schedule KMA-3, Page 5 of 7), shows the calculation of cash working capital for default service for calendar year 2003.

Q. Please explain Schedule KMA-2.

A. Schedule KMA-2 provides sample default service rates. As previously explained, FG&E is not seeking approval of a default service cost adder or distribution base rate decrease at this time. This sample rate summary simply

shows an example of default service rates, by class, using current February 2004 default service charges plus the sample default service cost adder.

Q. Please explain Schedule KMA-3.

A. Schedule KMA-3 provides calendar year 2003 unrecovered bad debt expense. As shown, net of recoveries, write-offs associated with default service is $161,581 for 2003. In contrast, bad debt expense included in the default service cost adder, as detailed on Schedule KMA-1, Page 3 of 6, equals $109,080. FG&E has provided Schedule KMA-3 in order to highlight that everything else held equal, bad debt expense is expected to increase over time due to load growth, and that increase is not reflected in the dollars included in the current default service charge mechanism. FG&E maintains that the best price signal and a more accurate methodology for allocating costs to default service would be to include the actual default service bad debt cost in the default service price.

IV. RATE MECHANICS

Q. Please explain how FG&E proposes to calculate the default service cost adder.

A. The default service cost adder would be calculated based on the costs described on Schedule KMA-1, Page 1 of 6. Once approved by the Department, costs such as labor and related direct charges would not change. Specifically, these costs which FG&E proposes to keep fixed, are wholesale

costs, compliance with regulatory requirements, and labor associated with MA Renewable Energy Portfolio Standard Compliance. Consistent with FG&E's annual reconciliation filings, the cost of unrecovered bad debt would change based on an updated allocation factor each year which would be applied to the total bad debt dollars allowed in D.T.E. 02-24/25. The actual cost of working capital costs would also be calculated the same as in FG&E's annual reconciliation filings. These annual costs would be divided by the projected annual default service load, at the time of implementation. The estimated cost of renewable energy certificates would continue to be included in the default service price and actual costs fully reconciled.

FG&E proposes to adjust the default service cost adder annually, however, FG&E may seek to change the rate quarterly or semi-annually if default service load materially changes.

Q. How would the costs of default service be reconciled?

A. As indicated above, certain costs would be fixed while others would change, such as bad debt and working capital. These costs would be charged to default service and over- or under-recoveries reconciled in accordance with FG&E Tariff, M.D.T.E. No. 101, Default Service Adjustment.

Q. Does FG&E have any concerns with this approach?

A. Yes, FG&E notes that, in moving to a fixed dollar reconciliation amount, FG&E loses the matching of costs and revenues that is inherent in the ebb and flow of base rates. FG&E's adjustment to base rates will increase in dollar amount over time as sales increase. In contrast, by fixing a portion of the adjustment to default service rates, FG&E's collection of these costs will not track the decrease to base rates and over time will result in an undercollection of these costs. The new method does not provide the same cost match that could be provided if actual costs were tracked and charged to Default Service. However, for simplicity, FG&E has opted for a fixed amount.

Q. Would FG&E make any changes to the distribution base rate adjusment shown on Schedule KMA-1, Page 1.

A. No, assuming the dollar amounts are approved by the Department, FG&E's distribution base rate would be reduced by $0.00014 per KWH. This is a one-time base rate adjustment to be applied to all rate classes at the time of implementation.

Q. Does FG&E anticipate any other associated rate changes?

A. Yes, during the Standard Offer Service period, at the time of implementation of the base rate decrease, FG&E would seek to increase its transition charge by an equal amount. This approach maximizes transition cost recovery under

1 the rate cap while transition costs are being deferred. As a result, there would
2 be no overall rate change to Standard Offer Service customers.
3
4 **V. BILL IMPACTS**
5 Q. Has FG&E calculated bill impacts based on these sample rates?
6 A. Yes, Schedule KMA-4 provides bill impacts by class for default service. This
7 schedule shows the impact of the decrease to distribution base rates, offsetting
8 increase to the transition charge, and increase to default service rates, using
9 the sample rates provided on Schedule KMA-2. The charges under "present
10 rates" represent rates effective February 1, 2004. The charges under the
11 "sample rates" reflect February 1, 2004 rates plus the default service cost
12 adder, less the distribution base rate decrease offset by the transition charge
13 increase. Using these sample rates, bill impacts range from 0.4 percent to 1.7
14 percent increases in monthly bills, depending on class and usage.
15
16 **VI. CONCLUSION**
17 Q. Does this conclude your testimony?
18 A. Yes, it does.

Fitchburg Gas and Electric Light Company
D.T.E. 03-88D
Computation of Sample Default Service Cost Adder and Distribution Base Rate Adjustment

		Summary of costs to be included in Default Service (annual cost)	kWh Used by Default Service Customers (1)	Average Cost	Summary of costs to be removed from Distribution Base Rates (annual cost)	kWh Used by All Customers (1)	Average Cost
	Wholesale:						
1	Design and implementation of competitive bidding process, including evaluation of supplier bids and contract negotiations, and ongoing administration and execution of contracts with suppliers, including accounting activities necessary to track payments made to suppliers (Page 2)	$17,278	132,356,614	$0.00013	$17,278	506,123,065	$0.00003
2	Total Wholesale	$17,278	132,356,614	$0.00013	$17,278	506,123,065	$0.00003
	Retail:						
3	Unrecovered bad debt (Page 3)	$109,080	132,356,614	$0.00082	excluded from base rates in D.T.E. 02-24/25		
4	Compliance with DTE's regulatory requirements including required communication with DS customers pursuant to 220 CMR 11.06 (Page 4)	$51,933	132,356,614	$0.00039	$51,933	506,123,065	$0.00010
	Compliance with MA Renewable Energy Portfolio Standard, 225 CMR 14						
5	Total Labor and Overhead Cost (Page 5)	$421	132,356,614	$0.00000	$421	506,123,065	$0.00000
6	Other Related Direct Charges (Page 5)	$79,414	132,356,614	$0.00060	incremental cost; not included in base rates		
7	Total Retail	$240,848	132,356,614	$0.00182	$52,355	506,123,065	$0.00010
8	Total Wholesale and Retail	$258,127	132,356,614	$0.00195	$69,633	506,123,065	$0.00014
9	Cost of working capital (2) (Page 6)	$33,947	132,356,614	$0.00026	excluded from base rates in D.T.E. 02-24/25		
10	Grand Total	$292,074	132,356,614	$0.00221	**$69,633**	**506,123,065**	**$0.00014**
11	Less: MA Renewable Energy Portfolio Standard Direct Charges (3)	$79,414	132,356,614	$0.00060			
12	**Total Default Service Cost Adder (not incl. Supply & MA Renewable Energy Portfolio Standard Direct Charges)**	**$212,660**	**132,356,614**	**$0.00161**			

Notes:
1) Based on actual January-December 2003 sales per the Company's records.
2) Based on actual cost of working capital for January-December 2003.
3) These costs are already included in FG&E's current default service price.

Fitchburg Gas and Electric Light Company
D.T.E. 03-88D
Costs to be Included in Default Service

Wholesale Costs
Design and implementation of competitive bidding process, including evaluation of supplier bids and contract negotiations, and ongoing administration and execution of contracts with suppliers, including accounting activities necessary to track payments made to suppliers.

		Total	Notes
Energy Services Department:			
1	Average Cost of Labor per Hour	$36.01	1
2	Estimated Annual Hours Required - Solicitation	169	
3	Estimated Annual Hours Required - Administration	56	
4	Total Estimated Annual Hours Required to Accomplish Task	225	
5	Cost of Labor	$8,102	
6	Overhead	$7,697	2
7	**Total Labor and Overhead Cost**	$15,799	
Regulatory Services Department:		$0	
Accounts Payable Department:			
1	Average Cost of Labor per Hour	$17.09	1
2	Estimated Annual Hours Required to Accomplish Task	4.0	
3	Cost of Labor	$68	
4	Overhead	$65	2
5	**Total Labor and Overhead Cost**	$133	
Treasury Department:			
1	Average Cost of Labor per Hour	$29.95	1
2	Estimated Annual Hours Required to Accomplish Task	14.0	
3	Cost of Labor	$419	
4	Overhead	$398	2
5	**Total Labor and Overhead Cost**	$818	
6	**Other Related Direct Charges** (wire transfers)	$528	
7	**Total Cost**	$1,346	
Communications Department:		$0	
Information Systems Department:		$0	
	TOTAL ANNUAL COST	**$17,278**	

Notes:
1) Hourly wages for positions effective 2003.
2) Based on Unitil Service Corp overhead rate of 95% effective January 2003-December 2003.

Fitchburg Gas and Electric Light Company
D.T.E. 03-88D
Costs to be Included in Default Service

Monthly Electric Write Offs (Gross) - Electric Division
Calendar Year 2002
Computation of Bad Debt Allocation Factor

Month	Delivery Component	Standard Offer Service Component	Default Service Component	Total
Jan-02	$21,410	$4,576	$12,673	$38,659
Feb-02	$21,975	$6,576	$11,534	$40,084
Mar-02	$26,186	$21,877	$8,961	$57,024
Apr-02	$21,101	$8,864	$10,531	$40,497
May-02	$25,506	$12,596	$9,641	$47,743
Jun-02	$16,875	$7,067	$9,474	$33,416
Jul-02	$18,846	$5,402	$11,149	$35,397
Aug-02	$17,948	$4,017	$10,988	$32,953
Sep-02	$15,595	$3,832	$8,928	$28,355
Oct-02	$12,175	$4,224	$5,680	$22,079
Nov-02	$22,740	$3,672	$8,423	$34,835
Dec-02	$15,789	$2,606	$10,288	$28,683
Total	$236,147	$85,309	$118,269	$439,725
Percentage	53.70%	19.40%	26.90%	100.00%

Bad Debt Expense from DTE 02-24/25	$405,501	Tab D, Sch. MHC-7-8 (Electric)
Bad Debt Allocation Factor	26.90%	
2004 Bad Debt Costs Allocated to Default Service	$109,080	

Source: As filed in D.T.E. 03-115, Schedule KMA-3 Page 7 of 7.

Fitchburg Gas and Electric Light Company
D.T.E. 03-88D
Costs to be Included in Default Service

Retail Costs
Compliance with DTE's regulatory requirements including required communication with DS customers pursuant to 220 CMR 11.06.

	Total	Notes
Energy Services Department:		
1 Average Cost of Labor per Hour	$36.01	1
2 Estimated Annual Hours Required to Accomplish Task	20.0	
3 Cost of Labor	$720	
4 Overhead	$684	2
5 **Total Labor and Overhead Cost**	$1,404	
Regulatory Services Department:		
1 Average Cost of Labor per Hour	$34.80	1
2 Estimated Annual Hours Required to Accomplish Task:	104.0	
3 Cost of Labor	$3,619	
4 Overhead	$3,438	2
5 **Total Labor and Overhead Cost**	$7,057	
6 **Other Related Direct Charges** (outside legal costs & miscellaneous)	$20,000	
7 **Total Cost**	$27,057	
Accounts Payable Department:	$0	
Treasury Department:	$0	
Communications Department:		
1 Average Cost of Labor per Hour	$30.77	1
2 Estimated Annual Hours Required to Accomplish Task	96.0	
3 Cost of Labor	$2,954	
4 Overhead	$2,806	2
5 **Total Labor and Overhead Cost**	$5,760	
6 **Other Related Direct Charges** (printing costs for disclosure label and default service rate pamphlet)	$17,600	
7 **Total Cost**	$23,360	
Information Systems Department:		
1 Average Cost of Labor per Hour	$28.55	1
2 Estimated Annual Hours Required to Accomplish Task	2.0	
3 Cost of Labor	$57	
4 Overhead	$54	2
5 **Total Labor and Overhead Cost**	$111	
TOTAL ANNUAL COST	$51,933	

Notes:
1) Hourly wages for positions effective 2003.
2) Based on Unitil Service Corp overhead rate of 95% effective January 2003-December 2003.

Fitchburg Gas and Electric Light Company
D.T.E. 03-88D
Costs to be Included in Default Service

Retail Costs
Compliance with MA Renewable Energy Portfolio Standard, 225 CMR 14

	Total	Notes
Energy Services Department:		
1 Average Cost of Labor per Hour	$36.01	1
2 Estimated Annual Hours Required to Accomplish Task	6	
3 Cost of Labor	$216	
4 Overhead	$205	2
5 **Total Labor and Overhead Cost**	$421	
6 **Other Related Direct Charges** (estimated cost of renewable energy certificates)	$79,414	3
7 **Total Cost**	$79,835	
Regulatory Services Department:	$0	
Accounts Payable Department:	$0	
Treasury Department:	$0	
Communications Department:	$0	
Information Systems Department:	$0	
TOTAL ANNUAL COST	**$79,835**	

Notes:
1) Hourly wages for positions effective 2003.
2) Based on Unitil Service Corp overhead rate of 95% effective January 2003-December 2003.
3) Estimate of cost of Renewable Energy Certificate ("RECs") purchases. FG&E currently includes RECs cost in Default Service price. Actual costs are fully reconciled. Alternative Compliance payments would also be included here. Assumes Default Service load * 1.5% * $40/MWH

Fitchburg Gas and Electric Light Company
Calculation of Cash Working Capital for Default Service (1)

		Actual Jan-03	Actual Feb-03	Actual Mar-03	Actual Apr-03	Actual May-03	Actual Jun-03	Actual Jul-03	Actual Aug-03	Actual Sep-03	Actual Oct-03	Actual Nov-03	Actual Dec-03	Total
1	Default Service Supplier Costs	$926,324	$612,254	$538,289	$604,954	$575,047	$686,135	$1,189,574	$1,363,181	$450,861	$189,470	$609,883	$595,115	
2	Number of Days Lag/365 (13.49/365)	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	3.70%	3.70%	3.70%	
3	Working Capital Requirement (L. 1 * L. 2)	$ 39,946	$ 26,402	$ 23,213	$ 26,088	$ 24,798	$ 29,588	$ 51,298	$ 58,785	$ 19,443	$ 7,003	$ 22,541	$ 21,995	
4	Cost Of Equity (from DTE 02-24/25)	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	
5	Cost of Debt (from DTE 02-24/25)	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	
6	Effective Tax Rate	38.36%	38.36%	38.36%	38.36%	38.36%	38.36%	38.36%	38.36%	38.36%	38.36%	38.36%	38.36%	
7	Tax Adjusted Cost of Capital (L. 5 + (L. 4/(1-L. 6))	11.14%	11.14%	11.14%	11.14%	11.14%	11.14%	11.14%	11.14%	11.14%	11.14%	11.14%	11.14%	
8	Cost of Working Capital (L. 3 * L. 7)	$ 4,452	$ 2,943	$ 2,587	$ 2,907	$ 2,764	$ 3,298	$ 5,717	$ 6,551	$ 2,167	($4,402) (2)	$ 2,512	$ 2,451	$33,947

(1) Consistent with Schedule KMA-3, Page 5 of 7, in D.T.E. 03-115.
(2) An adjustment of ($5,182.36) was made in October 2003 to correct number of days lag for January-September 2003.

Fitchburg Gas and Electric Light Company
Default Service Sample Billing Rates by Class using February 2004 Default Service Prices as a basis (1)

Effective Date	RD-1, RD-2 (2)		GD-1		GD-2, GD-4, GD-5, SD		GD-3	
	Monthly Pricing (Variable) $/kWh	Semi-Annual Pricing (Fixed) $/kWh	Monthly Pricing (Variable) $/kWh	Semi-Annual Pricing (Fixed) $/kWh	Monthly Pricing (Variable) $/kWh	Quarterly Pricing (Fixed) $/kWh	Monthly Pricing (Variable) $/kWh	Quarterly Pricing (Fixed) $/kWh
February 1, 2004								
Current Default Service Rate	$0.06502	$0.05917	$0.06514	$0.05928	$0.06407	$0.06453	$0.06214	$0.06252
Default Service Cost Adder pursuant to DTE 03-88	$0.00161	$0.00161	$0.00161	$0.00161	$0.00161	$0.00161	$0.00161	$0.00161
Total Default Service Rate	**$0.06663**	**$0.06078**	**$0.06675**	**$0.06089**	**$0.06568**	**$0.06614**	**$0.06375**	**$0.06413**

(1) Pursuant to Default Service Schedule DS, M.D.T.E. No. 103, effective December 1, 2003.
(2) Rate RD-2 Customers are automatically placed on the lower priced of Standard Offer or Default Generation Service.

Fitchburg Gas and Electric Light Company
D.T.E. 03-88D
Costs to be Included in Default Service

Calendar Year 2003 Unrecovered Bad Debt - Electric Division

Month	Delivery Component	Default Service Component	Standard Offer Service Component	Gross Write-offs	Recoveries	Net Write-offs
Jan-03	$15,631	$8,580	$3,945	$28,156	$2,896	$25,260
Feb-03	$17,638	$9,369	$4,705	$31,712	$4,154	$27,558
Mar-03	$20,039	$10,915	$4,778	$35,732	$5,093	$30,640
Apr-03	$22,240	$15,107	$2,710	$40,057	$5,442	$34,614
May-03	$30,682	$16,256	$4,018	$50,955	$6,843	$44,112
Jun-03	$21,473	$12,335	$4,378	$38,187	$9,122	$29,065
Jul-03	$29,051	$17,207	$3,085	$49,343	$2,310	$47,032
Aug-03	$34,154	$21,063	$3,763	$58,981	$8,949	$50,032
Sep-03	$26,003	$17,075	$1,271	$44,350	$2,840	$41,509
Oct-03	$19,964	$12,565	$1,733	$34,262	$6,180	$28,082
Nov-03	$20,126	$11,372	$4,378	$35,876	$3,131	$32,746
Dec-03	$50,497	$30,007	$5,308	$85,813	$2,500	$83,313
Total	$307,499	**$181,852**	$44,073	$533,423	$59,460	$473,963
Percentage	57.65%	34.09%	8.26%	100.00%		
Recoveries (1)	$34,276	$20,271	$4,913		$59,460	
Net	$273,222	**$161,581**	$39,160			

Notes:
1) Recoveries done on a total basis; not by component. For purposes of calculating net default service write-off, recoveries were applied to each component (delivery, default, standard offer) using same percentage of gross write-off to total.

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on RD-1 Rate Customers

Average Monthly kWh	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
125	$18.94	$19.14	$0.20	1.1%
150	$22.12	$22.37	$0.24	1.1%
500	$66.70	$67.51	$0.80	1.2%
750	$98.54	$99.75	$1.21	1.2%
1000	$130.38	$131.99	$1.61	1.2%
1250	$162.22	$164.23	$2.01	1.2%
1500	$194.06	$196.48	$2.42	1.2%
2000	$257.74	$260.96	$3.22	1.2%

Present Rates - Effective 2/1/2004:

		RD-1
Delivery Charges:		
Customer Charge		$3.02
		kWh
Internal Transmission		$0.00236
External Transmission		$0.00308
	Transmission Subtotal	$0.00544
Distribution		$0.04174
Seabrook Amortization Surcharge		$0.00819
	Distribution Subtotal	$0.04993
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge		$0.00982
Supplier Charges:		
Generation Charge*		$0.05917
	Total	$0.12736

Sample Rates:

		RD-1
Delivery Charges:		
Customer Charge		$3.02
		kWh
Internal Transmission		$0.00236
External Transmission		$0.00308
	Transmission Subtotal	$0.00544
Distribution		$0.04160
Seabrook Amortization Surcharge		$0.00819
	Distribution Subtotal	$0.04979
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge		$0.00996
Supplier Charges:		
Generation Charge*		$0.06078
	Total	$0.12897

* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on RD-2 Rate Customers

Average Monthly kWh	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
125	$14.31	$14.51	$0.20	1.4%
150	$16.79	$17.04	$0.24	1.4%
500	$51.62	$52.42	$0.81	1.6%
750	$76.49	$77.70	$1.21	1.6%
1,000	$101.36	$102.97	$1.61	1.6%
1,250	$126.23	$128.25	$2.01	1.6%
1,500	$151.11	$153.52	$2.42	1.6%
2,000	$200.85	$204.07	$3.22	1.6%

Present Rates - Effective 2/1/2004:

		RD-2
Delivery Charges:		
Customer Charge		$1.87
		kWh
Internal Transmission		$0.00236
External Transmission		$0.00308
	Transmission Subtotal	$0.00544
Distribution		$0.01714
Seabrook Amortization Surcharge		$0.00492
	Distribution Subtotal	$0.02206
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge		$0.00982
Supplier Charges:		
Generation Charge*		$0.05917
	Total	$0.09949

Sample Rates:

		RD-2
Delivery Charges:		
Customer Charge		$1.87
		kWh
Internal Transmission		$0.00236
External Transmission		$0.00308
	Transmission Subtotal	$0.00544
Distribution		$0.01700
Seabrook Amortization Surcharge		$0.00492
	Distribution Subtotal	$0.02192
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge		$0.00996
Supplier Charges:		
Generation Charge*		$0.06078
	Total	$0.10110

* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-1 Rate Customers

Average Monthly kWh	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
50	$13.30	$13.38	$0.08	0.6%
100	$19.76	$19.92	$0.16	0.8%
200	$32.69	$33.01	$0.32	1.0%
300	$45.62	$46.11	$0.48	1.1%
400	$58.55	$59.20	$0.64	1.1%
500	$71.49	$72.29	$0.81	1.1%
750	$103.81	$105.02	$1.21	1.2%
1000	$136.14	$137.75	$1.61	1.2%

Present Rates - Effective 2/1/2004:

		GD-1
Delivery Charges:		
Customer Charge		$6.83
		kWh
Internal Transmission		$0.00233
External Transmission		$0.00308
	Transmission Subtotal	$0.00541
Distribution		$0.04248
Seabrook Amortization Surcharge		$0.00932
	Distribution Subtotal	$0.05180
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge		$0.00982
Supplier Charges:		
Generation Charge*		$0.05928
	Total	$0.12931

Sample Rates:

		GD-1
Delivery Charges:		
Customer Charge		$6.83
		kWh
Internal Transmission		$0.00233
External Transmission		$0.00308
	Transmission Subtotal	$0.00541
Distribution		$0.04234
Seabrook Amortization Surcharge		$0.00932
	Distribution Subtotal	$0.05166
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge		$0.00996
Supplier Charges:		
Generation Charge*		$0.06089
	Total	$0.13092

* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-2 Rate Customers - 20% Load Factor

Average Monthly kW	Average Monthly kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
10	1,460	$233.88	$236.23	$2.35	1.0%
20	2,920	$460.93	$465.63	$4.70	1.0%
50	7,300	$1,142.08	$1,153.84	$11.75	1.0%
75	10,950	$1,709.71	$1,727.34	$17.63	1.0%
100	14,600	$2,277.33	$2,300.84	$23.51	1.0%
125	18,250	$2,844.96	$2,874.34	$29.38	1.0%
150	21,900	$3,412.59	$3,447.85	$35.26	1.0%

Present Rates - Effective 2/1/2004:

		GD-2
Delivery Charges:		
Customer Charge		$6.83
	kW	kWh
Internal Transmission	$0.29	$0.00112
External Transmission	$0.00	$0.00308
Transmission Subtotal	$0.29	$0.00420
Distribution	$5.94	$0.01419
Seabrook Amortization Surcharge	$0.00	$0.00932
Distribution Subtotal	$5.94	$0.02351
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge	$2.57	$0.00000
Supplier Charges:		
Generation Charge*		$0.06453
Totals	$8.80	$0.09524

Sample Rates:

		GD-2
Delivery Charges:		
Customer Charge		$6.83
	kW	kWh
Internal Transmission	$0.29	$0.00112
External Transmission	$0.00	$0.00308
Transmission Subtotal	$0.29	$0.00420
Distribution	$5.94	$0.01405
Seabrook Amortization Surcharge	$0.00	$0.00932
Distribution Subtotal	$5.94	$0.02337
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge	$2.57	$0.00014
Supplier Charges:		
Generation Charge*		$0.06614
Totals	$8.80	$0.09685

1. Assumes a monthly load factor of 20%
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-2 Rate Customers - 35% Load Factor

Average Monthly kW	Average Monthly kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
10	2,555	$338.17	$342.28	$4.11	1.2%
20	5,110	$669.51	$677.73	$8.23	1.2%
50	12,775	$1,663.52	$1,684.09	$20.57	1.2%
75	19,163	$2,491.87	$2,522.72	$30.85	1.2%
100	25,550	$3,320.21	$3,361.35	$41.14	1.2%
125	31,938	$4,148.56	$4,199.98	$51.42	1.2%
150	38,325	$4,976.90	$5,038.61	$61.70	1.2%

Present Rates - Effective 2/1/2004:

		GD-2
Delivery Charges:		
Customer Charge		$6.83
	kW	kWh
Internal Transmission	$0.29	$0.00112
External Transmission	$0.00	$0.00308
Transmission Subtotal	$0.29	$0.00420
Distribution	$5.94	$0.01419
Seabrook Amortization Surcharge	$0.00	$0.00932
Distribution Subtotal	$5.94	$0.02351
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge	$2.57	$0.00000
Supplier Charges:		
Generation Charge*		$0.06453
Totals	$8.80	$0.09524

Sample Rates:

		GD-2
Delivery Charges:		
Customer Charge		$6.83
	kW	kWh
Internal Transmission	$0.29	$0.00112
External Transmission	$0.00	$0.00308
Transmission Subtotal	$0.29	$0.00420
Distribution	$5.94	$0.01405
Seabrook Amortization Surcharge	$0.00	$0.00932
Distribution Subtotal	$5.94	$0.02337
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge	$2.57	$0.00014
Supplier Charges:		
Generation Charge*		$0.06614
Totals	$8.80	$0.09685

1. Assumes a monthly load factor of 35%
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-2 Rate Customers - 50% Load Factor

Average Monthly kW	Average Monthly kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
10	3,650	$442.46	$448.33	$5.88	1.3%
20	7,300	$878.08	$889.84	$11.75	1.3%
50	18,250	$2,184.96	$2,214.34	$29.38	1.3%
75	27,375	$3,274.03	$3,318.10	$44.07	1.3%
100	36,500	$4,363.09	$4,421.86	$58.76	1.3%
125	45,625	$5,452.16	$5,525.61	$73.46	1.3%
150	54,750	$6,541.22	$6,629.37	$88.15	1.3%

Present Rates - Effective 2/1/2004:

		GD-2
Delivery Charges:		
Customer Charge		$6.83
	kW	kWh
Internal Transmission	$0.29	$0.00112
External Transmission	$0.00	$0.00308
Transmission Subtotal	$0.29	$0.00420
Distribution	$5.94	$0.01419
Seabrook Amortization Surcharge	$0.00	$0.00932
Distribution Subtotal	$5.94	$0.02351
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge	$2.57	$0.00000
Supplier Charges:		
Generation Charge*		$0.06453
Totals	$8.80	$0.09524

Sample Rates:

		GD-2
Delivery Charges:		
Customer Charge		$6.83
	kW	kWh
Internal Transmission	$0.29	$0.00112
External Transmission	$0.00	$0.00308
Transmission Subtotal	$0.29	$0.00420
Distribution	$5.94	$0.01405
Seabrook Amortization Surcharge	$0.00	$0.00932
Distribution Subtotal	$5.94	$0.02337
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge	$2.57	$0.00014
Supplier Charges:		
Generation Charge*		$0.06614
Totals	$8.80	$0.09685

1. Assumes a monthly load factor of 50%
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 40% Load Factor and 43% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	25,112	33,288	$6,786.06	$6,880.08	$94.02	1.4%
400	50,224	66,576	$13,072.11	$13,260.16	$188.05	1.4%
600	75,336	99,864	$19,358.17	$19,640.24	$282.07	1.5%
800	100,448	133,152	$25,644.23	$26,020.32	$376.10	1.5%
1,000	125,560	166,440	$31,930.28	$32,400.40	$470.12	1.5%
1,500	188,340	249,660	$47,645.42	$48,350.60	$705.18	1.5%
2,000	251,120	332,880	$63,360.57	$64,300.81	$940.24	1.5%
2,500	313,900	416,100	$79,075.71	$80,251.01	$1,175.30	1.5%
3,000	376,680	499,320	$94,790.85	$96,201.21	$1,410.36	1.5%

Present Rates - Effective 2/1/2004:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 40% monthly load factor and 43% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 40% Load Factor and 48% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	28,032	30,368	$6,817.36	$6,911.38	$94.02	1.4%
400	56,064	60,736	$13,134.72	$13,322.77	$188.05	1.4%
600	84,096	91,104	$19,452.08	$19,734.15	$282.07	1.5%
800	112,128	121,472	$25,769.44	$26,145.53	$376.10	1.5%
1,000	140,160	151,840	$32,086.80	$32,556.92	$470.12	1.5%
1,500	210,240	227,760	$47,880.19	$48,585.37	$705.18	1.5%
2,000	280,320	303,680	$63,673.59	$64,613.83	$940.24	1.5%
2,500	350,400	379,600	$79,466.99	$80,642.29	$1,175.30	1.5%
3,000	420,480	455,520	$95,260.39	$96,670.75	$1,410.36	1.5%

Present Rates - Effective 2/1/2004:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 40% monthly load factor and 48% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 40% Load Factor and 60% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	35,040	23,360	$6,892.48	$6,986.51	$94.02	1.4%
400	70,080	46,720	$13,284.97	$13,473.02	$188.05	1.4%
600	105,120	70,080	$19,677.45	$19,959.53	$282.07	1.4%
800	140,160	93,440	$26,069.94	$26,446.04	$376.10	1.4%
1,000	175,200	116,800	$32,462.42	$32,932.54	$470.12	1.4%
1,500	262,800	175,200	$48,443.64	$49,148.82	$705.18	1.5%
2,000	350,400	233,600	$64,424.85	$65,365.09	$940.24	1.5%
2,500	438,000	292,000	$80,406.06	$81,581.36	$1,175.30	1.5%
3,000	525,600	350,400	$96,387.27	$97,797.63	$1,410.36	1.5%

Present Rates - Effective 2/1/2004:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 40% monthly load factor and 60% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 57% Load Factor and 43% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	35,785	47,435	$8,863.48	$8,997.46	$133.98	1.5%
400	71,569	94,871	$17,226.96	$17,494.93	$267.97	1.6%
600	107,354	142,306	$25,590.44	$25,992.39	$401.95	1.6%
800	143,138	189,742	$33,953.92	$34,489.86	$535.94	1.6%
1,000	178,923	237,177	$42,317.40	$42,987.32	$669.92	1.6%
1,500	268,385	355,766	$63,226.11	$64,230.99	$1,004.88	1.6%
2,000	357,846	474,354	$84,134.81	$85,474.65	$1,339.84	1.6%
2,500	447,308	592,943	$105,043.51	$106,718.31	$1,674.80	1.6%
3,000	536,769	711,531	$125,952.21	$127,961.97	$2,009.76	1.6%

Present Rates - Effective 2/1/2004:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 57% monthly load factor and 43% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 57% Load Factor and 48% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	39,946	43,274	$8,908.09	$9,042.07	$133.98	1.5%
400	79,891	86,549	$17,316.17	$17,584.14	$267.97	1.5%
600	119,837	129,823	$25,724.26	$26,126.21	$401.95	1.6%
800	159,782	173,098	$34,132.35	$34,668.28	$535.94	1.6%
1,000	199,728	216,372	$42,540.43	$43,210.35	$669.92	1.6%
1,500	299,592	324,558	$63,560.65	$64,565.53	$1,004.88	1.6%
2,000	399,456	432,744	$84,580.87	$85,920.71	$1,339.84	1.6%
2,500	499,320	540,930	$105,601.08	$107,275.89	$1,674.80	1.6%
3,000	599,184	649,116	$126,621.30	$128,631.06	$2,009.76	1.6%

Present Rates - Effective 2/1/2004:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 57% monthly load factor and 48% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 57% Load Factor and 60% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	49,932	33,288	$9,015.14	$9,149.13	$133.98	1.5%
400	99,864	66,576	$17,530.28	$17,798.25	$267.97	1.5%
600	149,796	99,864	$26,045.42	$26,447.38	$401.95	1.5%
800	199,728	133,152	$34,560.56	$35,096.50	$535.94	1.6%
1,000	249,660	166,440	$43,075.70	$43,745.63	$669.92	1.6%
1,500	374,490	249,660	$64,363.56	$65,368.44	$1,004.88	1.6%
2,000	499,320	332,880	$85,651.41	$86,991.25	$1,339.84	1.6%
2,500	624,150	416,100	$106,939.26	$108,614.06	$1,674.80	1.6%
3,000	748,980	499,320	$128,227.11	$130,236.88	$2,009.76	1.6%

Present Rates - Effective 2/1/2004:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 57% monthly load factor and 60% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 71% Load Factor and 43% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	44,574	59,086	$10,574.30	$10,741.19	$166.89	1.6%
400	89,148	118,172	$20,648.60	$20,982.39	$333.79	1.6%
600	133,721	177,259	$30,722.90	$31,223.58	$500.68	1.6%
800	178,295	236,345	$40,797.20	$41,464.77	$667.57	1.6%
1,000	222,869	295,431	$50,871.50	$51,705.97	$834.46	1.6%
1,500	334,304	443,147	$76,057.25	$77,308.95	$1,251.69	1.6%
2,000	445,738	590,862	$101,243.01	$102,911.93	$1,668.93	1.6%
2,500	557,173	738,578	$126,428.76	$128,514.91	$2,086.16	1.7%
3,000	668,607	886,293	$151,614.51	$154,117.90	$2,503.39	1.7%

Present Rates - Effective 2/1/2004:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 71% monthly load factor and 43% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 71% Load Factor and 48% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	49,757	53,903	$10,629.86	$10,796.75	$166.89	1.6%
400	99,514	107,806	$20,759.72	$21,093.51	$333.79	1.6%
600	149,270	161,710	$30,889.59	$31,390.26	$500.68	1.6%
800	199,027	215,613	$41,019.45	$41,687.02	$667.57	1.6%
1,000	248,784	269,516	$51,149.31	$51,983.77	$834.46	1.6%
1,500	373,176	404,274	$76,473.97	$77,725.66	$1,251.69	1.6%
2,000	497,568	539,032	$101,798.62	$103,467.55	$1,668.93	1.6%
2,500	621,960	673,790	$127,123.28	$129,209.44	$2,086.16	1.6%
3,000	746,352	808,548	$152,447.93	$154,951.32	$2,503.39	1.6%

Present Rates - Effective 2/1/2004:

	All kVA	GD-3 kWh	
Delivery Charges:			
Customer Charge		$500.00	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

	All kVA	GD-3 kWh	
Delivery Charges:			
Customer Charge		$500.00	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 71% monthly load factor and 48% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-3 Rate Customers - 71% Load Factor and 60% On Peak Energy Usage

Average Monthly kVa	Average On Peak kWh[1]	Average Off Peak kWh[1]	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
200	62,196	41,464	$10,763.21	$10,930.10	$166.89	1.6%
400	124,392	82,928	$21,026.42	$21,360.21	$333.79	1.6%
600	186,588	124,392	$31,289.63	$31,790.31	$500.68	1.6%
800	248,784	165,856	$41,552.84	$42,220.41	$667.57	1.6%
1,000	310,980	207,320	$51,816.05	$52,650.52	$834.46	1.6%
1,500	466,470	310,980	$77,474.08	$78,725.77	$1,251.69	1.6%
2,000	621,960	414,640	$103,132.11	$104,801.03	$1,668.93	1.6%
2,500	777,450	518,300	$128,790.13	$130,876.29	$2,086.16	1.6%
3,000	932,940	621,960	$154,448.16	$156,951.55	$2,503.39	1.6%

Present Rates - Effective 2/1/2004:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01225	On Peak
		$0.00275	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01935	On Peak
		$0.00985	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00053	On Peak
		$0.00000	Off Peak
Supplier Charges:			
Generation Charge*		$0.06252	All
Totals	$6.99	$0.08981	On Peak
		$0.07909	Off Peak

Sample Rates:

		GD-3	
Delivery Charges:			
Customer Charge		$500.00	
	All kVA	kWh	
Internal Transmission	$0.21	$0.00133	On Peak
		$0.00064	Off Peak
External Transmission	$0.00	$0.00308	All
Transmission Subtotals	$0.21	$0.00441	On Peak
		$0.00372	Off Peak
Distribution	$2.95	$0.01211	On Peak
		$0.00261	Off Peak
Seabrook Amortization Surcharge	$0.00	$0.00710	All
Distribution Subtotals	$2.95	$0.01921	On Peak
		$0.00971	Off Peak
Energy Efficiency Charge		$0.00250	All
Renewable Resources Charge		$0.00050	All
Default Service Adjustment		$0.00000	All
Transition Charge	$3.83	$0.00067	On Peak
		$0.00014	Off Peak
Supplier Charges:			
Generation Charge*		$0.06413	All
Totals	$6.99	$0.09142	On Peak
		$0.08070	Off Peak

1. Assumes a 71% monthly load factor and 60% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-4 Rate Customers

Average Monthly kW	On Peak[1] Monthly kWh	Off Peak[1] Monthly kWh	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
10	1,369	4,106	$593.67	$602.48	$8.81	1.5%
20	2,738	8,213	$1,180.51	$1,198.14	$17.63	1.5%
50	6,844	20,531	$2,941.02	$2,985.10	$44.07	1.5%
75	10,266	30,797	$4,408.12	$4,474.23	$66.11	1.5%
100	13,688	41,063	$5,875.21	$5,963.36	$88.15	1.5%
125	17,109	51,328	$7,342.31	$7,452.49	$110.18	1.5%
150	20,531	61,594	$8,809.40	$8,941.63	$132.22	1.5%

Present Rates - Effective 2/1/2004:

	All kW		kWh	GD-4
Delivery Charges:				
Customer Charge				$6.83
Internal Transmission	$0.35	On Peak	$0.00146	
		Off Peak	$0.00066	
External Transmission Charge	$0.00	All	$0.00308	
Transmission Subtotals	$0.35	On Peak	$0.00454	
		Off Peak	$0.00374	
Distribution	$2.33	On Peak	$0.00671	
		Off Peak	$0.00148	
Seabrook Amortization Surcharge	$0.00	All	$0.00932	
Distribution Subtotals	$2.33	On Peak	$0.01603	
		Off Peak	$0.01080	
Energy Efficiency Charge		All	$0.00250	
Renewable Resources Charge		All	$0.00050	
Default Service Adjustment		All	$0.00000	
Transition Charge	$8.99	On Peak	$0.00917	
		Off Peak	$0.00000	
Supplier Charges:				
Generation Charge*		All	$0.06453	
Totals	$11.67	On Peak	$0.09727	
		Off Peak	$0.08207	

Sample Rates:

	All kW		kWh	GD-4
Delivery Charges:				
Customer Charge				$6.83
Internal Transmission	$0.35	On Peak	$0.00146	
		Off Peak	$0.00066	
External Transmission Charge	$0.00	All	$0.00308	
Transmission Subtotals	$0.35	On Peak	$0.00454	
		Off Peak	$0.00374	
Distribution	$2.33	On Peak	$0.00657	
		Off Peak	$0.00134	
Seabrook Amortization Surcharge	$0.00	All	$0.00932	
Distribution Subtotals	$2.33	On Peak	$0.01589	
		Off Peak	$0.01066	
Energy Efficiency Charge		All	$0.00250	
Renewable Resources Charge		All	$0.00050	
Default Service Adjustment		All	$0.00000	
Transition Charge	$8.99	On Peak	$0.00931	
		Off Peak	$0.00014	
Supplier Charges:				
Generation Charge*		All	$0.06614	
Totals	$11.67	On Peak	$0.09888	
		Off Peak	$0.08368	

1. Assumes a 75% monthly load factor and 25% On Peak Energy Usage
* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on GD-5 Rate Customers

Average Monthly kWh	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
100	$12.91	$13.07	$0.16	1.2%
200	$25.82	$26.14	$0.32	1.2%
300	$38.73	$39.21	$0.48	1.2%
400	$51.64	$52.28	$0.64	1.2%
500	$64.55	$65.36	$0.80	1.2%
750	$96.83	$98.03	$1.21	1.2%
1000	$129.10	$130.71	$1.61	1.2%
1500	$193.65	$196.07	$2.41	1.2%
2000	$258.20	$261.42	$3.22	1.2%
2500	$322.75	$326.78	$4.02	1.2%

Present Rates - Effective 2/1/2004:

		GD-5
Delivery Charges:		
Customer Charge		$0.00
		kWh
Internal Transmission		$0.00226
External Transmission		$0.00308
	Transmission Subtotal	$0.00534
Distribution		$0.03709
Seabrook Amortization Surcharge		$0.00932
	Distribution Subtotal	$0.04641
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge		$0.00982
Supplier Charges:		
Generation Charge*		$0.06453
	Total	$0.12910

Sample Rates:

		GD-5
Delivery Charges:		
Customer Charge		$0.00
		kWh
Internal Transmission		$0.00226
External Transmission		$0.00308
	Transmission Subtotal	$0.00534
Distribution		$0.03695
Seabrook Amortization Surcharge		$0.00932
	Distribution Subtotal	$0.04627
Energy Efficiency Charge		$0.00250
Renewable Resources Charge		$0.00050
Default Service Adjustment		$0.00000
Transition Charge		$0.00996
Supplier Charges:		
Generation Charge*		$0.06614
	Total	$0.13071

* Default Service, Fixed

Fitchburg Gas and Electric Light Company
Default Service Typical Bill Analysis - Impact of Including Costs in Default Service as outlined in D.T.E. 03-88
Impact on SD Rate Customers

	Lumens	Luminaire	Average Monthly kWh	Present Rates Total Revenue	Proposed Rates Total Revenue	Total Difference	% Total Difference
		Mercury Vapor:					
1	3,500	Residential and Commercial Type	39.25	$10.21	$10.27	$0.06	0.6%
2	7,000	Residential and Commercial Type	68.25	$13.54	$13.65	$0.11	0.8%
3	3,500	Street and Highway Type	39.25	$10.21	$10.27	$0.06	0.6%
4	7,000	Street and Highway Type	68.25	$13.54	$13.65	$0.11	0.8%
5	20,000	Street and Highway Type	157.25	$27.58	$27.83	$0.25	0.9%
6	60,000	Street and Highway Type	369	$58.83	$59.42	$0.59	1.0%
7	20,000	Flood Light Type	157.25	$28.99	$29.24	$0.25	0.9%
8	3,500	Power Bracket Included	39.25	$10.53	$10.59	$0.06	0.6%
9	7,000	Power Bracket Included	68.25	$14.02	$14.13	$0.11	0.8%
		High Pressure Sodium:					
10	3,300	Residential and Commercial Type	20	$7.60	$7.63	$0.03	0.4%
11	9,500	Residential and Commercial Type	40.25	$10.52	$10.58	$0.06	0.6%
12	3,300	Street and Highway Type	20	$7.60	$7.63	$0.03	0.4%
13	9,500	Street and Highway Type	40.25	$10.52	$10.58	$0.06	0.6%
14	20,000	Street and Highway Type	85	$17.92	$18.06	$0.14	0.8%
15	50,000	Street and Highway Type	161.25	$29.09	$29.35	$0.26	0.9%
16	140,000	Street and Highway Type	378	$63.90	$64.51	$0.61	1.0%
17	50,000	Flood Light Type	161.25	$31.44	$31.70	$0.26	0.8%
		Ornamental Lighting:					
18	3,300	Street and Highway Type	20	$6.45	$6.48	$0.03	0.5%

Present Rates - Effective 2/1/2004:

	SD
Delivery Charges:	
Customer Charge	$0.00
	kWh
Internal Transmission	$0.00044
External Transmission	$0.00308
Transmission Subtotal	$0.00352
Distribution	$0.00057
Seabrook Amortization Surcharge	$0.00766
Distribution Subtotal	$0.00823
Energy Efficiency Charge	$0.00250
Renewable Resources Charge	$0.00050
Default Service Adjustment	$0.00000
Transition Charge	$0.00982
Supplier Charges:	
Generation Charge*	$0.06453
Total	$0.08910

Sample Rates:

	SD
Delivery Charges:	
Customer Charge	$0.00
	kWh
Internal Transmission	$0.00044
External Transmission	$0.00308
Transmission Subtotal	$0.00352
Distribution	$0.00043
Seabrook Amortization Surcharge	$0.00766
Distribution Subtotal	$0.00809
Energy Efficiency Charge	$0.00250
Renewable Resources Charge	$0.00050
Default Service Adjustment	$0.00000
Transition Charge	$0.00996
Supplier Charges:	
Generation Charge*	$0.06614
Total	$0.09071

* Default Service, Fixed

Luminaire Charges:	Internal Transmission	Distribution	Access Charge-Base Component	Total	Internal Transmission	Distribution	Transition Charge-Power Supply	Total
1	$0.23	$6.48	$0.00	$6.71	$0.23	$6.48	$0.00	$6.71
2	$0.27	$7.19	$0.00	$7.46	$0.27	$7.19	$0.00	$7.46
3	$0.23	$6.48	$0.00	$6.71	$0.23	$6.48	$0.00	$6.71
4	$0.27	$7.19	$0.00	$7.46	$0.27	$7.19	$0.00	$7.46
5	$0.52	$13.05	$0.00	$13.57	$0.52	$13.05	$0.00	$13.57
6	$1.02	$24.93	$0.00	$25.95	$1.02	$24.93	$0.00	$25.95
7	$0.56	$14.42	$0.00	$14.98	$0.56	$14.42	$0.00	$14.98
8	$0.24	$6.79	$0.00	$7.03	$0.24	$6.79	$0.00	$7.03
9	$0.29	$7.65	$0.00	$7.94	$0.29	$7.65	$0.00	$7.94
10	$0.20	$5.62	$0.00	$5.82	$0.20	$5.62	$0.00	$5.82
11	$0.24	$6.69	$0.00	$6.93	$0.24	$6.69	$0.00	$6.93
12	$0.20	$5.62	$0.00	$5.82	$0.20	$5.62	$0.00	$5.82
13	$0.24	$6.69	$0.00	$6.93	$0.24	$6.69	$0.00	$6.93
14	$0.39	$9.96	$0.00	$10.35	$0.39	$9.96	$0.00	$10.35
15	$0.56	$14.16	$0.00	$14.72	$0.56	$14.16	$0.00	$14.72
16	$1.18	$29.04	$0.00	$30.22	$1.18	$29.04	$0.00	$30.22
17	$0.64	$16.43	$0.00	$17.07	$0.64	$16.43	$0.00	$17.07
18	$0.16	$4.51	$0.00	$4.67	$0.16	$4.51	$0.00	$4.67