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Please respond to the North Conway office

November 14, 2006

**Debra Howland, Executive Director/Secretary
Public Utilities Commission
21 S. Fruit St., Suite 10
Concord, NH 0301-2429**

Re: Docket No. DW-04-048

City of Nashua's Petition for Valuation Pursuant to RSA 38:9



Dear Ms. Howland:

I enclose herewith an original and seven copies of the Update Testimony of George E. Sansoucy and Glenn C. Walker with Exhibits.

Copies of the Testimony and Exhibits have been served electronically with all parties on the Service List.

Very truly yours,

Robert Upton, II
rupton@upton-hatfield.com

**RU/dgg
Enclosure(s)**

STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION

City Of Nashua: Petition For Valuation Pursuant To RSA 38:9

Docket No. DW04-048

**UPDATE TESTIMONY OF
GEORGE E. SANSOUCY AND GLENN C. WALKER**

1 **Q. Please state your names, business addresses and positions.**

2 A. My name is George E. Sansoucy, P.E. My business address is 279 Main Street,
3 Lancaster, New Hampshire 03584. I am a consultant and my firm George E. Sansoucy,
4 P.E., LLC has been engaged by the City of Nashua ("City") to advise it on matters
5 concerning the City's proceeding to acquire the water utility assets of Pennichuck Water
6 Works, Inc. ("PWW").

7 A. My name is Glenn C. Walker. My business address is 32 Nimble Hill Road, Newington,
8 New Hampshire 03801. I am employed by George E. Sansoucy, P.E., LLC as a
9 consultant specializing in the appraisal of special purpose utility and electric generating
10 facilities for governmental agencies and institutional clients throughout the country.

11 **Q. Have you previously submitted testimony in this proceeding?**

12 A. Yes, on January 12, 2006 and May 22, 2006 and May 22, 2006. Mr. Sansoucy also
13 submitted testimony on November 22, 2004.

14 **Q. What is the purpose of your testimony today?**

15 A. The purpose of our testimony is to provide the Commission with an update of our
16 previously filed testimony, reports, and exhibits and to provide a methodology that the
17 Commission may use to reconcile the value arrived at in our original testimony for

1 December 31, 2004 with the value of the facility as it currently exists or when the
2 Commission finds a value for the property owned by PWW.

3 **Q. How was your testimony organized?**

4 A. Our testimony provides a brief summary of the update testimony and exhibits being
5 presented to the Commission. In addition, we provide a summary of the valuation
6 methodology we utilized along with a method the Commission may use to “true-up” our
7 value based on additional improvements that PWW has made to the property since our
8 original valuation testimony was filed. We also provide support for our original valuation
9 testimony based on depositions taken of PWW experts and demonstrate that PWW’s
10 valuation expert’s estimated future earnings or cash flow growth is inconsistent with
11 other PWW experts and the internal projections by PWW. Finally, we provide a revised
12 rate path based on new rate filings made by PWW with the Commission that supports our
13 conclusion that the acquisition is in the public interest.

14
15 **Q. Please summarize your valuation testimony.**

16 A. On January 12, 2006 we provided a summary of our valuation testimony and an appraisal
17 setting forth the value of the PWW system as of December 31, 2004. As set forth in our
18 appraisal report and testimony submitted on January 12, 2006, we considered all three
19 methods of valuation widely recognized in appraisal of utility property, i.e. the cost
20 approach, the sales comparison approach, and the income capitalization approach. Each
21 of these approaches to valuation was considered in light of available market data,
22 industry trends, and other information to arrive at an indication of value using each
23 approach. Our appraisal report sets forth detailed information concerning these factors

1 and how they influence the value indicated by each approach. The market value was then
2 determined by reconciling the values indicated by each of the three approaches. Based on
3 our analysis presented in our appraisal we concluded the following:

- 4 • The value of PWW assets indicated by the cost approach was \$104 million.
- 5 • The value of PWW assets indicated by the sales comparison approach was \$89
6 million.
- 7 • The value of PWW assets indicated by the income capitalization approach was \$80
8 million.

9 As discussed in our report, we gave no weight to the cost approach and reconciled the
10 sales comparison and income capitalization approaches to \$85 million.

11 **Q. Has the PWW system experienced additions to property, plant, and equipment that**
12 **would result in a greater value today as opposed to the value found as of December**
13 **31, 2004?**

14 A. In general, yes. The PWW system has experienced significant capital additions and
15 additional depreciation, amortization, and retirements associated with the water treatment
16 plant as well as PWW's continued spending under its capital investment plan in property,
17 plant, and equipment associated with the water distribution system. It is important to note
18 however, that since December 31, 2004, the market for water companies such as PWW
19 appears to have declined from its highest in 2004 resulting in generally lower values or
20 multiples for water companies in the marketplace. We have not attempted to quantify that
21 reduction in value.

22 **Q. Have you analyzed the impact of these additions as they relate to your value?**

1 A. Yes. In reviewing our appraisal and these property additions we have concluded that the
2 property, plant, and equipment added since December 31, 2004 should be added to the
3 value found in our appraisal as of December 31, 2004. We believe that the combined
4 value is a good indicator of the property, plant, and equipment that comprises the PWW
5 system at this time.

6 **Q. Have you prepared a new appraisal as a result of this analysis?**

7 A. No.

8 **Q. How do you propose the Commission should reconcile between your valuation of
9 December 31, 2004 and the present?**

10 A. As the Commission will establish the fair market value of the property sometime in the
11 future, we have developed a logical method that could be used to establish a value as of
12 the Commission Order date that would reflect the value of the system but avoid the
13 requirements of preparing a new appraisal as of that date. As set forth in our testimony on
14 January 12, 2006, we propose that property additions made since December 31, 2004 be
15 added to the fair market value determined by the Commission in the same amount as their
16 contribution to rate base. We further propose that the Commission measure this increase
17 by determining the difference between rate base value as of December 31, 2004 and rate
18 base as of the Commission Order. The difference between these two figures represents
19 new additions since December 31, 2004, with some minor adjustments for property
20 removed from service and depreciation. The use of the method is considered reasonable
21 as the property, plant, and equipment additions are new and their cost is the best
22 reflection of their value to the PWW system.

1 **Q. Have you analyzed the impact on your valuation for property, plant, and equipment**
2 **additions since December 31, 2004?**

3 A. Yes.

4 **Q. Would you please summarize how these property, plant, and equipment additions**
5 **impact the value found for December 31, 2004?**

6 A. The change in rate base between December 31, 2004 and our projection under the current
7 rate path indicates that between December 31, 2004 and calendar year end 2007 that
8 approximately \$54,000,000 will have been spent on new property, plant, and equipment.
9 This figure is calculated using the pro forma rate base in Schedule A of NH PUC Docket
10 DW04-056 and the 2007 rate base projection shown on line 7 of GES Exhibit 3 – Revised
11 11/14/06 for 2007. For example, the fair market value of the PWW system as of
12 December 31, 2007, would be the sum of our December 31, 2004 valuation of
13 \$85,000,000 and the \$54,000,000 of new property, plant and equipment, or a total of
14 \$139,000,000.

15 **Q. Do you have any additional comments with respect to the valuation submitted by**
16 **the experts for PWW?**

17 A. Yes. In our May 22, 2006 testimony we criticized PWW's valuation expert for assuming
18 an earnings and/or cash flow growth rate of 2% for the system post 2009. In his January
19 12, 2006 testimony, Mr. Reilly explained his use of a 2% rate by relying on PWW's
20 "projected growth, long-term growth rate, historical increases in consumption and
21 population served by the PWW system and interviews with PWW management." Direct
22 Testimony of Robert F. Reilly, pg. 35 lines 9-11.

1 Regulated utilities such as PWW, however, experience earnings growth through
2 capital expenditures which measure their rate base and rate increases. Earnings growth
3 without capital expenditures will cause a regulated utility to over earn on its rate of return
4 and will result in a rate adjustment.

5 In spite of Mr. Reilly's reliance on a 2% long-term earnings growth rate, he does
6 not project any increase in capital expenditures after 2009 in his income capitalization
7 approach. Exhibit 21 RFR-1.

8 However, although his direct testimony states that the 2% growth rate was based
9 on PWW's projected growth rate and historical increases in consumption and customer
10 growth, at his deposition on June 27, 2006, Mr. Reilly justified such a growth rate on
11 "inflation only and no real growth." GES Exhibit 36, Excerpt from Deposition of Robert
12 F. Reilly, p. 18, line 23. Inflation is discussed nowhere in his testimony or his valuation
13 (RFR-1).

14 Notwithstanding Mr. Reilly's testimony, it is evident from the Revenue
15 Requirement Analysis performed by John Guastella that it is impossible for PWW to
16 have a growth rate of 2%. JFG-1, Schedule B, reflects a declining rate base for the period
17 2009 to 2015. When questioned about the declining rate base at his deposition on July 28,
18 2006, Mr. Guastella testified that any plant additions were netted out by depreciation and
19 C.I.A.C. The following colloquy then occurred.

20 Q. But you, even with that netting out you still have a declining rate base
21 though?

22 A. Not even with, because of it you have a declining rate base.

23 Q. But the rate base is declining from 2009 through 2015?

1 A. Slightly, yes.

2 Q. Okay, if rate base doesn't grow doesn't it also follow that net earnings are
3 not going to grow?

4 A. Well, net earnings are going to be a combination of rate base as well as
5 rate filings and rates of return and future cost of capital, so it's – but
6 steadily – I mean, typically all other things being equal a declining rate
7 base would result in a declining earnings; all other things being equal.

8 If Mr. Guastella is correct that there will be a declining rate base, then it is not
9 possible to also have a 2% long-term growth rate. The two are mutually exclusive. There
10 is a direct contradiction in the testimony of PWW's two main expert witnesses.

11 **Q. What is your reaction to the testimony of these witnesses?**

12 A. In reviewing the depositions of both Robert F. Reilly and John Guastella we agree with
13 Mr. Guastella that rate base is anticipated to be stable or declining from the period around
14 2009 through 2015 which would make it virtually impossible for PWW to realize
15 earnings growth because without an increase in rate base from capital expenditures there
16 would be no basis for PWW to receive rate increases that would increase earnings or cash
17 flows.

18 In addition to being contradictory, Mr. Guastella's conclusion that rate base will
19 decline, the 2% growth rate relied upon by Mr. Reilly is simply not supported by any of
20 PWW's historical data.

21 Finally, it is important to understand that use of such a growth rate permitted Mr.
22 Reilly to arrive at a \$248.4 million value for the assets of PWW which is twice the
23 enterprise value of PWW's parent, which includes PWW, as of December 31, 2006.

1 Without the 2% growth rate, as we previously testified, Mr. Reilly's analysis would have
2 resulted in a value of \$89 million, almost identical to the value we derived. See GES 17.

3 **Q. Does that conclude your testimony on valuation?**

4 A. Yes.

5 **Q. Have you also updated your Revenue Requirements Analysis?**

6 A. Yes, we have updated seven of the exhibits we provided in our January 12, 2006
7 testimony. Our updated exhibits are identified as follows:

- 8 • GES Exhibit 2 – Revised 11/14/2006
- 9 • GES Exhibit 3 – Revised 11/14/2006
- 10 • GES Exhibit 4 – Revised 11/14/2006
- 11 • GES Exhibit 5 – Revised 11/14/2006
- 12 • GES Exhibit 6 – Revised 11/14/2006
- 13 • GES Exhibit 7 - Revised 11/14/2006
- 14 • GES Exhibit 10 - Revised 11/14/2006

15 **Q. What changes were necessary for this analysis?**

16 A. Through discovery we have learned that several of the categories of expenses contained
17 in PWV's Annual Reports which we relied on in developing the Revenue Requirements
18 Analysis set forth in our January 12, 2006 testimony were either understated or omitted.
19 We have adjusted those expense categories.

20 We have also updated these exhibits to include the effects of PWV's requested
21 rate increase (DW06-073) and the additional rate increase that will be necessary as a
22 result of its continuing capital program.

23 **Q. Did you prepare an exhibit that summarizes the documents you used to update your
24 testimony and the changes to your exhibits?**

25 A. Yes. These are summarized in GES Exhibit 37.

26 **Q. What impact have these changes had on your Revenue Requirements Analysis?**

1 A. Most of the changes were relatively minor and did not have any significant impact.
2 PWW's cost of operation has, however, increased dramatically since our last review.
3 These additional costs have increased the spread between the Company's and the City's
4 revenue requirements. They are reflected in the revised Exhibits.

5 **Q. What conclusions have you drawn from the updated Revenue Requirements**
6 **Analysis contained in the GES exhibits for this testimony?**

7 A. It continues to be our opinion that because of Nashua's lower cost of operation (almost
8 \$4 million annually) as a result of its contract with Veolia, the elimination of PWW's
9 bloated administrative and overhead expense, the elimination of any return to
10 shareholders, and Nashua's lower cost of capital, under City ownership ratepayers would
11 pay significantly less for their water than they would under continued PWW ownership.

12 **Q. Have you reviewed the Revenue Requirements Analysis of John Guastella in light of**
13 **his deposition?**

14 A. Yes and we think in his rush to try to show that Nashua could pay \$248.4 million, the
15 value concluded by Robert Reilly, he has failed to account for or considerably
16 understated the cost of issuing the notes and bonds he relies on and has failed to show the
17 effect of such borrowing over the likely life of the notes and bonds.

18 **Q. What do you mean?**

19 A. A prominent feature of Mr. Guastella's analysis is his reliance on "Revenue Anticipation
20 Notes" (RAN). This is a misnomer. True, RANs would likely not be permitted under
21 RSA 38 and RSA 33-B. Rather what Mr. Guastella utilizes is simple temporary
22 financing. However, what his analysis fails to point out is that because each of these
23 notes is a separate issue there will be additional issuance costs for each of them in
24 addition to the issuance costs for the permanent financing. These additional issuance
25 costs plus the lack of any principal payments in the first three (3) years will increase the
26 amount of the debt service in the later years, particularly after 2015, the final year of his
27 analysis. The total cost to the City caused by increasing the issuance costs and forcing the
28 payments of principal further out will cause the City to require more revenues over time,

1 especially after 2015. It is improbable that the City could pay \$248.4 million for PWW
2 and not raise rates beyond what PWW would have charged.

3 **Q. Are there any other criticisms of Mr. Guastella's analysis.**

4 A. Yes. As Mr. Guastella points out in his deposition, PWW will experience a declining rate
5 base for the period 2009 to 2015 and a declining rate base means declining earnings. As a
6 result PWW will require rate increases that he has not accounted for.

7 Finally, we note that Mr. Guastella, like Mr. Reilly, largely bases his analysis on
8 the conclusion that the City could pay \$248.4 million. While we disagree with that
9 conclusion, we note that fair market value has nothing to do with ability to pay. As an
10 example of this valuation truism, consider a house for sale with an asking price of
11 \$300,000. There are two interested buyers, Mr. Walker and Bill Gates. Even though Bill
12 Gates has the ability to pay millions for the house, that fact does not mean that the fair
13 market value of the house is in the millions. Rather, the fair market value is established
14 by what similar houses in the marketplace sell for. If Mr. Gates and Mr. Walker find
15 some feature of the house particularly appealing, such as the number of bedrooms, they
16 might bid the price up because it meets their particular needs but they would be paying in
17 excess of fair market value. And finally in a bidding war, Mr. Gates is not going to pay
18 what he is able. Rather he is going to pay only \$1 more than Mr. Walker's final bid.

19 **Q. Does this conclude your testimony?**

20 A. Yes.

CONDENSED

THE STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

* * * * *

IN THE MATTER OF:

CITY OF NASHUA

and

TAKING OF PENNICHUCK
WATER WORKS, INC.

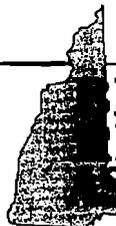
* * * * *

Docket No: DW-04-048

DEPOSITION OF ROBERT F. REILLY

Deposition taken at the law offices of McLane,
Graf, Raulerson & Middleton, 900 Elm Street,
Manchester, New Hampshire, on Tuesday, June 27,
2006, commencing at 9:00 a.m.

1117 Elm Street
P.O. Box 1387
Manchester, NH
03105-1387



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1 starting point, I looked at the average of the five
 2 years 2005 through 2009. So what happened is in 2010,
 3 my starting point has a minus 28 percent growth rate
 4 in it. 2010 cash flow is 28 percent lower than 2009
 5 is because 2010 is the average of the five prior
 6 years, so in applying my growth rate -- and why I'm
 7 mentioning this is, as I said before, you always have
 8 to start out with the question, what am I applying the
 9 growth rate to -- the very first thing I did in
 10 concluding what growth rate to use going forward is I
 11 took the company's cash flow projection and subtracted
 12 a 28 percent haircut from that to get to a normalized
 13 level of cash flow in the year 2010. The base that
 14 I'm applying my growth rate to is the company's
 15 projections in 2009 minus 28 percent. So I've reduced
 16 the base by, you know, as I said, 28 percent. Then I
 17 had to look going forward, and there were just an
 18 awful lot of indicators of growth from different
 19 demographic data sources, different analyses performed
 20 either by the company or by other company's retained
 21 investment banking firms over the years which showed
 22 growth rates for relatively short periods ranging
 23 from -- I think the lowest I saw was one and a half

1 percent and the highest I saw was ten percent or
 2 something like that, and they all seemed fairly
 3 aggressive, and I did consider all of those factors
 4 and I did consider what I think is probably the most
 5 important factor which is regardless of what happens
 6 with real growth, either in customers, in consumption
 7 or in capital expenditures and revenues and allowed
 8 rates of returns, there's always going to be some
 9 inflationary growth, and, back at the end of 2004, I
 10 used a source that's in the work file called the Blue
 11 Chip Economists' Consensus and it lists about 30, I
 12 think, different economists' projections. Economists
 13 were projecting between two percent and three percent
 14 as a long-term inflation rate with no real growth and
 15 I basically used the low end of that range.
 16 Effectively in my analysis, I'm assuming the low end
 17 of the range of inflation only and no real growth
 18 although, you know, if you want to consider one point
 19 of real growth and one point of inflationary growth, I
 20 mean, I wouldn't argue with that, but what I'm trying
 21 to do is really select the most conservative or
 22 downward biased growth rate I could which really looks
 23 at inflation only and no real growth.

1 Q. In arriving at your normalized net cash flow
 2 for 2010, though, you do have to rely on the company's
 3 projections from 2005 through 2009?

4 A. Yes, absolutely, and in the form, that's
 5 pretty straightforward, the company's projections of
 6 2005 through 2009, and then I just take a straight
 7 average of those five years to get me to the starting
 8 point for 2010.

9 Q. Is this a copy of the projections that you
 10 were provided?

11 A. Yes.

12 (Discussion held off the record.)

13 Q. What I understand these are, just so you
 14 know, are the Moody projections that were provided by
 15 the company to give to Moody in 2005 that they gave to
 16 you.

17 A. Yes, they are. There are two sets of
 18 projections that look almost identical. In fact, they
 19 do except the numbers are changed. So the company
 20 actually prepared two sets of projections that I
 21 understand they gave both of those to Moody, one of
 22 which -- in fact, I don't know if there's a label on
 23 here -- one of which was labeled the conservative

1 projection and one was labeled the -- I'm trying to
 2 remember. It wasn't called best case but rather, most
 3 likely projection or something like that.

4 Q. What did this represent?

5 A. These was the conservative projection.

6 Q. And this is what you used?

7 A. Exactly.

8 MR. UPTON: Why don't we have that marked as
 9 Reilly 2.

10 (Reilly Exhibit 2 marked for Identification.)

11 Q. And it was from the projections that are
 12 contained in Exhibit 2 that you developed what is
 13 Reilly 1 but we're calling Exhibit 21 from your
 14 report?

15 A. Yes, sir.

16 Q. Okay. In one of the data requests, we asked
 17 for notes or work papers prepared in the interviews
 18 with PWW Management reflecting the long-term growth
 19 rate of two percent.

20 Is this a copy of that data request and your
 21 response to it?

22 (Document shown to the witness.)

23 A. The first page certainly looks like the data

GES EXHIBIT 2 - REVISED 11/14/2006

REVENUE REQUIREMENTS - PENNICHUCK WATER WORKS

2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1	OPERATING REVENUES										
2	Total Operating Revenues (Line 18+27+29)	\$29,500	\$29,461	\$29,448	\$32,245	\$32,217	\$32,217	\$35,388	\$35,373	\$35,390	\$38,973
3											
4	O & M Expenses:										
5	Production (Input Esc. at 4%)	\$3,706	\$3,854	\$4,008	\$4,168	\$4,335	\$4,508	\$4,688	\$4,876	\$5,071	\$5,274
6	Transmission & Distribution (Input Esc. at 4%)	\$981	\$1,020	\$1,061	\$1,103	\$1,147	\$1,193	\$1,241	\$1,291	\$1,343	\$1,397
7	Customer Accounting (Input Esc. at 4%)	\$981	\$1,020	\$1,061	\$1,103	\$1,147	\$1,193	\$1,241	\$1,291	\$1,343	\$1,397
8	Administrative & General (Input Esc. at 4%)	\$5,232	\$5,441	\$5,659	\$5,885	\$6,120	\$6,365	\$6,620	\$6,885	\$7,160	\$7,446
9	Other Adjustments (Input Esc. at 4%)	\$900	\$936	\$973	\$1,012	\$1,052	\$1,094	\$1,138	\$1,184	\$1,231	\$1,280
10	Total O & M Expenses (Line 5+6+7+8+9)	\$11,800	\$12,271	\$12,762	\$13,271	\$13,801	\$14,353	\$14,928	\$15,527	\$16,148	\$16,794
11											
12	Property Taxes (Input Esc. at 4%)	\$1,497	\$1,557	\$1,619	\$1,684	\$1,751	\$1,821	\$1,894	\$1,970	\$2,049	\$2,131
13	Other Taxes (Input Esc. at 4%)	\$421	\$438	\$456	\$474	\$493	\$513	\$534	\$555	\$577	\$600
14	Depreciation (Input - 12/31/04 + 3% of Balance over 12/31/04)	\$4,489	\$4,489	\$4,489	\$4,944	\$4,944	\$4,944	\$5,459	\$5,459	\$5,459	\$6,042
15	Amortization Expense (Input Esc. at 4%)	\$219	\$228	\$237	\$246	\$256	\$266	\$277	\$288	\$300	\$312
16	Amortization Expense - CIAC (Input Esc. at 4%)	-\$324	-\$337	-\$350	-\$364	-\$379	-\$394	-\$410	-\$426	-\$443	-\$461
17											
18	Total Operating Expenses (Line 10 Through 17 Summed)	\$18,102	\$18,646	\$19,213	\$20,255	\$20,866	\$21,503	\$22,682	\$23,373	\$24,090	\$25,418
19											
20	Net Operating Income Before Income Tax (Line 2 - Line 18)	\$11,398	\$10,815	\$10,235	\$11,990	\$11,351	\$10,714	\$12,706	\$12,000	\$11,300	\$13,555
21											
22	Income Taxes:										
23	NHBP Taxes	included	included	included	included	included	included	included	included	included	included
24	Federal Income Taxes-Current	included	included	included	included	included	included	included	included	included	included
25	Federal Income Taxes-Deferred	included	included	included	included	included	included	included	included	included	included
26	Provision for ITC	included	included	included	included	included	included	included	included	included	included
27	Total Income Taxes (Line 23 - Line 26)	\$4,515	\$4,284	\$4,054	\$4,749	\$4,496	\$4,244	\$5,033	\$4,753	\$4,476	\$5,369
28											
29	Net Operating Income (Line 20)	\$6,883	\$6,531	\$6,181	\$7,241	\$6,855	\$6,470	\$7,673	\$7,247	\$6,824	\$8,186
30											
31	Final Consolidated Rate Base Including DFIT (From GES Exh-3 Line 7)	\$98,333	\$93,301	\$88,297	\$103,448	\$97,926	\$92,434	\$109,612	\$103,533	\$97,487	\$116,941
32	RATE of Return - Percent After Tax (input)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
33	Income Required (Line 31 x Line 32)	\$6,883	\$6,531	\$6,181	\$7,241	\$6,855	\$6,470	\$7,673	\$7,247	\$6,824	\$8,186
34	Adjusted Net Operating Income (Input)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35	Deficiency (Line 33)	\$6,883	\$6,531	\$6,181	\$7,241	\$6,855	\$6,470	\$7,673	\$7,247	\$6,824	\$8,186
36	Tax Adjusted Revenue Requirement (Line 35 / .6039)	\$11,398	\$10,815	\$10,235	\$11,990	\$11,351	\$10,714	\$12,706	\$12,000	\$11,300	\$13,555

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 2 - REVISED 11/14/2006
REVENUE REQUIREMENTS - PENNICHUCK WATER WORKS
2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
1	OPERATING REVENUES										
2	Total Operating Revenues (Line 18+27+29)	\$38,970	\$39,003	\$43,051	\$43,062	\$43,112	\$47,684	\$47,711	\$45,118	\$50,665	\$51,004
3											
4	O & M Expenses:										
5	Production (Input Esc. at 4%)	\$5,485	\$5,704	\$5,932	\$6,169	\$6,416	\$6,673	\$6,940	\$7,218	\$7,507	\$7,807
6	Transmission & Distribution (Input Esc. at 4%)	\$1,453	\$1,511	\$1,571	\$1,634	\$1,699	\$1,767	\$1,838	\$1,912	\$1,988	\$2,068
7	Customer Accounting (Input Esc. at 4%)	\$1,453	\$1,511	\$1,571	\$1,634	\$1,699	\$1,767	\$1,838	\$1,912	\$1,988	\$2,068
8	Administrative & General (Input Esc. at 4%)	\$7,744	\$8,054	\$8,376	\$8,711	\$9,059	\$9,421	\$9,798	\$10,190	\$10,598	\$11,022
9	Other Adjustments (Input Esc. at 4%)	\$1,331	\$1,384	\$1,439	\$1,497	\$1,557	\$1,619	\$1,684	\$1,751	\$1,821	\$1,894
10	Total O & M Expenses (Line 5+6+7+8+9)	\$17,466	\$18,164	\$18,889	\$19,645	\$20,430	\$21,247	\$22,098	\$22,983	\$23,902	\$24,859
11											
12	Property Taxes (Input Esc. at 4%)	\$2,216	\$2,305	\$2,397	\$2,493	\$2,593	\$2,697	\$2,805	\$2,917	\$3,034	\$3,155
13	Other Taxes (Input Esc. at 4%)	\$624	\$649	\$675	\$702	\$730	\$759	\$789	\$821	\$854	\$888
14	Depreciation (Input - 12/31/04 + 3% of Balance over 12/31/04)	\$6,042	\$6,042	\$6,703	\$6,703	\$6,703	\$7,449	\$7,449	\$4,784	\$5,707	\$5,707
15	Amortization Expense (Input Esc. at 4%)	\$324	\$337	\$350	\$364	\$379	\$394	\$410	\$426	\$443	\$461
16	Amortization Expense - CIAC (Input Esc. at 4%)	-\$479	-\$498	-\$518	-\$539	-\$561	-\$583	-\$606	-\$630	-\$655	-\$681
17											
18	Total Operating Expenses (Line 10 Through 17 Summed)	\$26,193	\$26,999	\$28,496	\$29,368	\$30,274	\$31,963	\$32,945	\$31,301	\$33,285	\$34,389
19											
20	Net Operating Income Before Income Tax (Line 2 - Line 18)	\$12,777	\$12,004	\$14,555	\$13,694	\$12,838	\$15,721	\$14,766	\$13,817	\$17,380	\$16,615
21											
22	Income Taxes:										
23	NHBP Taxes	included									
24	Federal Income Taxes-Current	included									
25	Federal Income Taxes-Deferred	included									
26	Provision for ITC	included									
27	Total Income Taxes (Line 23 - Line 26)	\$5,061	\$4,755	\$5,765	\$5,424	\$5,085	\$6,227	\$5,849	\$5,473	\$6,884	\$6,581
28											
29	Net Operating Income (Line 20 - Line 27)	\$7,716	\$7,249	\$8,790	\$8,270	\$7,753	\$9,494	\$8,917	\$8,344	\$10,496	\$10,034
30											
31	Final Consolidated Rate Base Including DFIT (From GES Exh-3 Line 7)	\$110,230	\$103,556	\$125,566	\$118,138	\$110,750	\$135,628	\$127,388	\$119,193	\$149,942	\$143,337
32	RATE of Return - Percent After Tax (input)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
33	Income Required (Line 31 x Line 32)	\$7,716	\$7,249	\$8,790	\$8,270	\$7,753	\$9,494	\$8,917	\$8,344	\$10,496	\$10,034
34	Adjusted Net Operating Income (Input)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35	Deficiency (Line 33)	\$7,716	\$7,249	\$8,790	\$8,270	\$7,753	\$9,494	\$8,917	\$8,344	\$10,496	\$10,034
36	Tax Adjusted Revenue Requirement (Line 35 / .6039)	\$12,777	\$12,004	\$14,555	\$13,694	\$12,838	\$15,721	\$14,766	\$13,817	\$17,380	\$16,615

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 2 - REVISED 11/14/2006
REVENUE REQUIREMENTS - PENNICHUCK WATER WORKS
2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
1	OPERATING REVENUES										
2	Total Operating Revenues (Line 18+27+29)	\$51,391	\$57,581	\$57,920	\$58,316	\$65,232	\$65,578	\$65,988	\$73,720	\$74,074	\$74,500
3											
4	O & M Expenses:										
5	Production (Input Esc. at 4%)	\$8,119	\$8,444	\$8,782	\$9,133	\$9,498	\$9,878	\$10,273	\$10,684	\$11,111	\$11,555
6	Transmission & Distribution (Input Esc. at 4%)	\$2,151	\$2,237	\$2,326	\$2,419	\$2,516	\$2,617	\$2,722	\$2,831	\$2,944	\$3,062
7	Customer Accounting (Input Esc. at 4%)	\$2,151	\$2,237	\$2,326	\$2,419	\$2,516	\$2,617	\$2,722	\$2,831	\$2,944	\$3,062
8	Administrative & General (Input Esc. at 4%)	\$11,463	\$11,922	\$12,399	\$12,895	\$13,411	\$13,947	\$14,505	\$15,085	\$15,688	\$16,316
9	Other Adjustments (Input Esc. at 4%)	\$1,970	\$2,049	\$2,131	\$2,216	\$2,305	\$2,397	\$2,493	\$2,593	\$2,697	\$2,805
10	Total O & M Expenses (Line 5+6+7+8+9)	\$25,854	\$26,889	\$27,964	\$29,082	\$30,246	\$31,456	\$32,715	\$34,024	\$35,384	\$36,800
11											
12	Property Taxes (Input Esc. at 4%)	\$3,281	\$3,412	\$3,548	\$3,690	\$3,838	\$3,992	\$4,152	\$4,318	\$4,491	\$4,671
13	Other Taxes (Input Esc. at 4%)	\$924	\$961	\$999	\$1,039	\$1,081	\$1,124	\$1,169	\$1,216	\$1,265	\$1,316
14	Depreciation (Input - 12/31/04 + 3% of Balance over 12/31/04)	\$5,707	\$6,734	\$6,734	\$6,734	\$7,880	\$7,880	\$7,880	\$9,159	\$9,159	\$9,159
15	Amortization Expense (Input Esc. at 4%)	\$479	\$498	\$518	\$539	\$561	\$583	\$606	\$630	\$655	\$681
16	Amortization Expense - CIAC (Input Esc. at 4%)	-\$708	-\$736	-\$765	-\$796	-\$828	-\$861	-\$895	-\$931	-\$968	-\$1,007
17											
18	Total Operating Expenses (Line 10 Through 17 Summed)	\$35,537	\$37,758	\$38,998	\$40,288	\$42,778	\$44,174	\$45,627	\$48,416	\$49,986	\$51,620
19											
20	Net Operating Income Before Income Tax (Line 2 - Line 18)	\$15,854	\$19,823	\$18,922	\$18,028	\$22,454	\$21,404	\$20,361	\$25,304	\$24,088	\$22,880
21											
22	Income Taxes:										
23	NHBP Taxes	included									
24	Federal Income Taxes-Current	included									
25	Federal Income Taxes-Deferred	included									
26	Provision for ITC	included									
27	Total Income Taxes (Line 23 - Line 26)	\$6,280	\$7,852	\$7,495	\$7,141	\$8,894	\$8,478	\$8,065	\$10,023	\$9,541	\$9,063
28											
29	Net Operating Income (Line 20 - Line 27)	\$9,574	\$11,971	\$11,427	\$10,887	\$13,560	\$12,926	\$12,296	\$15,281	\$14,547	\$13,817
30											
31	Final Consolidated Rate Base Including DFIT (From GES Exh-3 Line 7)	\$136,768	\$171,010	\$163,247	\$155,525	\$193,713	\$184,662	\$175,659	\$218,300	\$207,813	\$197,383
32	RATE of Return - Percent After Tax (input)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
33	Income Required (Line 31 x Line 32)	\$9,574	\$11,971	\$11,427	\$10,887	\$13,560	\$12,926	\$12,296	\$15,281	\$14,547	\$13,817
34	Adjusted Net Operating Income (Input)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35	Deficiency (Line 33)	\$9,574	\$11,971	\$11,427	\$10,887	\$13,560	\$12,926	\$12,296	\$15,281	\$14,547	\$13,817
36	Tax Adjusted Revenue Requirement (Line 35 / .6039)	\$15,854	\$19,823	\$18,922	\$18,028	\$22,454	\$21,404	\$20,361	\$25,304	\$24,088	\$22,880

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 3 - REVISED 11/14/2006
REVENUE REQUIREMENTS - PENNICHUCK WATER WORKS
CALCULATION OF DEFERRED FEDERAL INCOME TAXES
AND CONSOLIDATED RATE BASE 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1	Consolidated Rate Base (Input)	\$98,518	\$94,029	\$89,540	\$105,299	\$100,355	\$95,411	\$113,243	\$107,784	\$102,325	\$122,485
2	Depreciation Difference for IRS verses PUC (Line 1 x 1.5%)	\$1,478	\$1,410	\$1,343	\$1,579	\$1,505	\$1,431	\$1,699	\$1,617	\$1,535	\$1,837
3	Deferred Federal Income Tax (DFIT) (Line 2 x .3961)	\$585	\$559	\$532	\$625	\$596	\$567	\$673	\$640	\$608	\$728
4	Cumulative DFIT (Line 3 Summed)	\$585	\$1,144	\$1,676	\$2,301	\$2,897	\$3,464	\$4,137	\$4,777	\$5,385	\$6,113
5	Revised Consolidated Rate Base (Subtract DFIT) (Line 1 - Line 4)	\$97,933	\$92,885	\$87,864	\$102,998	\$97,458	\$91,947	\$109,106	\$103,007	\$96,940	\$116,372
6	Incremental Working Capital, Materials, and Misc. Added to Rate Base (Input Esc. at 4%)	\$400	\$416	\$433	\$450	\$468	\$487	\$506	\$526	\$547	\$569
7	Final Consolidated Rate Base (Line 5 + Line 6)	\$98,333	\$93,301	\$88,297	\$103,448	\$97,926	\$92,434	\$109,612	\$103,533	\$97,487	\$116,941

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 3 - REVISED 11/14/2006
REVENUE REQUIREMENTS - PENNICHUCK WATER WORKS
CALCULATION OF DEFERRED FEDERAL INCOME TAXES
AND CONSOLIDATED RATE BASE 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2017	2018	2019	2020	2021	2022	2023	2024	2025
1	Consolidated Rate Base (Input)	\$116,443	\$110,401	\$133,177	\$126,474	\$119,771	\$145,485	\$138,036	\$130,587	\$162,269
2	Depreciation Difference for IRS verses PUC (Line 1 x 1.5%)	\$1,747	\$1,656	\$1,998	\$1,897	\$1,797	\$2,182	\$2,071	\$1,959	\$2,434
3	Deferred Federal Income Tax (DFIT) (Line 2 x .3961)	\$692	\$656	\$791	\$751	\$712	\$864	\$820	\$776	\$964
4	Cumulative DFIT (Line 3 Summed)	\$6,805	\$7,461	\$8,252	\$9,003	\$9,715	\$10,579	\$11,399	\$12,175	\$13,139
5	Revised Consolidated Rate Base (Subtract DFIT) (Line 1 - Line 4)	\$109,638	\$102,940	\$124,925	\$117,471	\$110,056	\$134,906	\$126,637	\$118,412	\$149,130
6	Incremental Working Capital, Materials, and Misc. Added to Rate Base (Input Esc. at 4%)	\$592	\$616	\$641	\$667	\$694	\$722	\$751	\$781	\$812
7	Final Consolidated Rate Base (Line 5 + Line 6)	\$110,230	\$103,556	\$125,566	\$118,138	\$110,750	\$135,628	\$127,388	\$119,193	\$149,942

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 3 - REVISED 11/14/2006
REVENUE REQUIREMENTS - PENNICHUCK WATER WORKS
CALCULATION OF DEFERRED FEDERAL INCOME TAXES
AND CONSOLIDATED RATE BASE 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2026	2027	2028	2029	2030	2031	2032	2033	2034
1	Consolidated Rate Base (Input)	\$156,562	\$150,855	\$186,168	\$179,434	\$172,700	\$212,108	\$204,229	\$196,350	\$240,375
2	Depreciation Difference for IRS verses PUC (Line 1 x 1.5%)	\$2,348	\$2,263	\$2,793	\$2,692	\$2,591	\$3,182	\$3,063	\$2,945	\$3,606
3	Deferred Federal Income Tax (DFIT) (Line 2 x .3961)	\$930	\$896	\$1,106	\$1,066	\$1,026	\$1,260	\$1,213	\$1,167	\$1,428
4	Cumulative DFIT (Line 3 Summed)	\$14,069	\$14,965	\$16,071	\$17,137	\$18,163	\$19,423	\$20,636	\$21,803	\$23,231
5	Revised Consolidated Rate Base (Subtract DFIT) (Line 1 - Line 4)	\$142,493	\$135,890	\$170,097	\$162,297	\$154,537	\$192,685	\$183,593	\$174,547	\$217,144
6	Incremental Working Capital, Materials, and Misc. Added to Rate Base (Input Esc. at 4%)	\$844	\$878	\$913	\$950	\$988	\$1,028	\$1,069	\$1,112	\$1,156
7	Final Consolidated Rate Base (Line 5 + Line 6)	\$143,337	\$136,768	\$171,010	\$163,247	\$155,525	\$193,713	\$184,662	\$175,659	\$218,300

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 3 - REVISED 11/14/2006
REVENUE REQUIREMENTS - PENNICHUCK WATER WORKS
CALCULATION OF DEFERRED FEDERAL INCOME TAXES
AND CONSOLIDATED RATE BASE 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2035	2036
1	Consolidated Rate Base (Input)	\$231,216	\$222,057
2	Depreciation Difference for IRS verses PUC (Line 1 x 1.5%)	\$3,468	\$3,331
3	Deferred Federal Income Tax (DFIT) (Line 2 x .3961)	\$1,374	\$1,319
4	Cumulative DFIT (Line 3 Summed)	\$24,605	\$25,924
5	Revised Consolidated Rate Base (Subtract DFIT) (Line 1 - Line 4)	\$206,611	\$196,133
6	Incremental Working Capital, Materials, and Misc. Added to Rate Base (Input Esc. at 4%)	\$1,202	\$1,250
7	Final Consolidated Rate Base (Line 5 + Line 6)	\$207,813	\$197,383

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 4 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
2007 - 2036

Line	Description (All Dollar Figures in Thousands)	Escalation Rate	2007	2008	2009	2010	2011	2012
1	Operations and Maintenance Cost							
2	Taxes - Ad Valorem (Input Esc. at 4%)	4.00%	\$1,497	\$1,557	\$1,619	\$1,684	\$1,751	\$1,821
3	Oversight (Input Esc. at 3%)	3.00%	\$715	\$736	\$758	\$781	\$804	\$828
4	Insurance (Input Esc. at 4%)	4.00%	\$216	\$225	\$234	\$243	\$253	\$263
5	Purchased Water (Input Esc. at 4%)	4.00%	\$200	\$208	\$216	\$225	\$234	\$243
6	Customer Service (Input Esc. at 3%)	3.00%	\$200	\$206	\$212	\$218	\$225	\$232
7	Sludge (Input Esc. at 3%)	3.00%	\$100	\$103	\$106	\$109	\$112	\$115
8	Unplanned Maintenance (Input Esc. at 3%)	3.00%	\$290	\$302	\$314	\$327	\$340	\$354
9	Veolia - Operations (Input Esc. at 3%)	3.00%	\$5,150	\$5,305	\$5,464	\$5,628	\$5,797	\$5,971
10	Utilities (Input Esc. at 4%)	4.00%	\$1,200	\$1,248	\$1,298	\$1,350	\$1,404	\$1,460
11	Operational Contingencies (Input Esc. at 4%)	4.00%	\$500	\$520	\$541	\$563	\$586	\$609
12	Beginning of Year Bond Amount (From GES Exh-5 Line 62)		\$150,000	\$145,000	\$140,000	\$155,248	\$149,573	\$143,898
13	Bond Reserve Requirements (From GES Exh-6 Line 8)		\$3,061	\$3,001	\$2,941	\$3,156	\$3,090	\$3,024
14								
15	Total Annual Bond Payments (From GES Exh-6 Line 3)		\$5,000	\$5,000	\$5,000	\$5,450	\$5,450	\$5,450
16	Total Annual Interest Payments (From GES Exh-6 Line 4)		\$7,245	\$7,004	\$6,762	\$7,172	\$6,909	\$6,646
17	Total Revenue Requirements (Line 2+3+4+5+6+7+8+9+10+11+13+15+16)		\$25,374	\$25,415	\$25,465	\$26,906	\$26,955	\$27,016

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 4 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
2007 - 2036

Line	Description (All Dollar Figures in Thousands)	Escalation Rate	2013	2014	2015	2016	2017	2018
1	Operations and Maintenance Cost							
2	Taxes - Ad Valorem (Input Esc. at 4%)	4.00%	\$1,894	\$1,970	\$2,049	\$2,131	\$2,216	\$2,305
3	Oversight (Input Esc. at 3%)	3.00%	\$853	\$879	\$905	\$932	\$960	\$989
4	Insurance (Input Esc. at 4%)	4.00%	\$274	\$285	\$296	\$308	\$320	\$333
5	Purchased Water (Input Esc. at 4%)	4.00%	\$253	\$263	\$274	\$285	\$296	\$308
6	Customer Service (Input Esc. at 3%)	3.00%	\$239	\$246	\$253	\$261	\$269	\$277
7	Sludge (Input Esc. at 3%)	3.00%	\$118	\$122	\$126	\$130	\$134	\$138
8	Unplanned Maintenance (Input Esc. at 3%)	3.00%	\$368	\$383	\$398	\$414	\$431	\$448
9	Veolia - Operations (Input Esc. at 3%)	3.00%	\$6,150	\$6,335	\$6,525	\$6,721	\$6,923	\$7,131
10	Utilities (Input Esc. at 4%)	4.00%	\$1,518	\$1,579	\$1,642	\$1,708	\$1,776	\$1,847
11	Operational Contingencies (Input Esc. at 4%)	4.00%	\$633	\$658	\$684	\$711	\$739	\$769
12	Beginning of Year Bond Amount (From GES Exh-5 Line 62)		\$160,999	\$154,565	\$148,131	\$167,316	\$160,028	\$152,740
13	Bond Reserve Requirements (From GES Exh-6 Line 8)		\$3,267	\$3,196	\$3,124	\$3,398	\$3,320	\$3,241
14								
15	Total Annual Bond Payments (From GES Exh-6 Line 3)		\$5,955	\$5,955	\$5,955	\$6,521	\$6,521	\$6,521
16	Total Annual Interest Payments (From GES Exh-6 Line 4)		\$7,114	\$6,827	\$6,539	\$7,072	\$6,757	\$6,442
17	Total Revenue Requirements (Line 2+3+4+5+6+7+8+9+10+11+13+15+16)		\$28,636	\$28,698	\$28,770	\$30,592	\$30,662	\$30,749

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 4 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
2007 - 2036

Line	Description (All Dollar Figures in Thousands)	Escalation Rate	2019	2020	2021	2022	2023	2024
1	Operations and Maintenance Cost							
2	<i>Taxes - Ad Valorem (Input Esc. at 4%)</i>	4.00%	\$2,397	\$2,493	\$2,593	\$2,697	\$2,805	\$2,917
3	<i>Oversight (Input Esc. at 3%)</i>	3.00%	\$1,019	\$1,050	\$1,082	\$1,114	\$1,147	\$1,181
4	<i>Insurance (Input Esc. at 4%)</i>	4.00%	\$346	\$360	\$374	\$389	\$405	\$421
5	<i>Purchased Water (Input Esc. at 4%)</i>	4.00%	\$320	\$333	\$346	\$360	\$374	\$389
6	<i>Customer Service (Input Esc. at 3%)</i>	3.00%	\$285	\$294	\$303	\$312	\$321	\$331
7	<i>Sludge (Input Esc. at 3%)</i>	3.00%	\$142	\$146	\$150	\$155	\$160	\$165
8	<i>Unplanned Maintenance (Input Esc. at 3%)</i>	3.00%	\$466	\$485	\$504	\$524	\$545	\$567
9	<i>Veolia - Operations (Input Esc. at 3%)</i>	3.00%	\$7,345	\$7,565	\$7,792	\$8,026	\$8,267	\$8,515
10	<i>Utilities (Input Esc. at 4%)</i>	4.00%	\$1,921	\$1,998	\$2,078	\$2,161	\$2,247	\$2,337
11	<i>Operational Contingencies (Input Esc. at 4%)</i>	4.00%	\$800	\$832	\$865	\$900	\$936	\$973
12	Beginning of Year Bond Amount (From GES Exh-5 Line 62)		\$174,270	\$166,021	\$157,772	\$181,940	\$172,610	\$163,280
13	Bond Reserve Requirements (From GES Exh-6 Line 8)		\$3,551	\$3,465	\$3,378	\$3,727	\$3,632	\$3,537
14								
15	Total Annual Bond Payments (From GES Exh-6 Line 3)		\$7,156	\$7,156	\$7,156	\$7,867	\$7,867	\$7,867
16	Total Annual Interest Payments (From GES Exh-6 Line 4)		\$7,047	\$6,702	\$6,356	\$7,041	\$6,661	\$6,281
17	Total Revenue Requirements (Line 2+3+4+5+6+7+8+9+10+11+13+15+16)		\$32,795	\$32,879	\$32,977	\$35,273	\$35,367	\$35,481

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 4 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
2007 - 2036

Line	Description (All Dollar Figures in Thousands)	Escalation Rate	2025	2026	2027	2028	2029	2030
1	Operations and Maintenance Cost							
2	Taxes - Ad Valorem (Input Esc. at 4%)	4.00%	\$3,034	\$3,155	\$3,281	\$3,412	\$3,548	\$3,690
3	Oversight (Input Esc. at 3%)	3.00%	\$1,216	\$1,252	\$1,290	\$1,329	\$1,369	\$1,410
4	Insurance (Input Esc. at 4%)	4.00%	\$438	\$456	\$474	\$493	\$513	\$534
5	Purchased Water (Input Esc. at 4%)	4.00%	\$405	\$421	\$438	\$456	\$474	\$493
6	Customer Service (Input Esc. at 3%)	3.00%	\$341	\$351	\$362	\$373	\$384	\$396
7	Sludge (Input Esc. at 3%)	3.00%	\$170	\$175	\$180	\$185	\$191	\$197
8	Unplanned Maintenance (Input Esc. at 3%)	3.00%	\$590	\$614	\$639	\$665	\$692	\$720
9	Veolia - Operations (Input Esc. at 3%)	3.00%	\$8,770	\$9,033	\$9,304	\$9,583	\$9,870	\$10,166
10	Utilities (Input Esc. at 4%)	4.00%	\$2,430	\$2,527	\$2,628	\$2,733	\$2,842	\$2,956
11	Operational Contingencies (Input Esc. at 4%)	4.00%	\$1,012	\$1,052	\$1,094	\$1,138	\$1,184	\$1,231
12	Beginning of Year Bond Amount (From GES Exh-5 Line 62)		\$190,416	\$179,870	\$169,324	\$199,798	\$187,885	\$175,972
13	Bond Reserve Requirements (From GES Exh-6 Line 8)		\$3,930	\$3,825	\$3,721	\$4,162	\$4,047	\$3,932
14								
15	Total Annual Bond Payments (From GES Exh-6 Line 3)		\$8,664	\$8,664	\$8,664	\$9,556	\$9,556	\$9,556
16	Total Annual Interest Payments (From GES Exh-6 Line 4)		\$7,056	\$6,637	\$6,219	\$7,093	\$6,632	\$6,170
17	Total Revenue Requirements (Line 2+3+4+5+6+7+8+9+10+11+13+15+16)		\$38,056	\$38,162	\$38,294	\$41,178	\$41,302	\$41,451

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 4 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
2007 - 2036

Line	Description (All Dollar Figures in Thousands)	Escalation Rate	2031	2032	2033	2034	2035	2036
1	Operations and Maintenance Cost							
2	Taxes - Ad Valorem (Input Esc. at 4%)	4.00%	\$3,838	\$3,992	\$4,152	\$4,318	\$4,491	\$4,671
3	Oversight (Input Esc. at 3%)	3.00%	\$1,452	\$1,496	\$1,541	\$1,587	\$1,635	\$1,684
4	Insurance (Input Esc. at 4%)	4.00%	\$555	\$577	\$600	\$624	\$649	\$675
5	Purchased Water (Input Esc. at 4%)	4.00%	\$513	\$534	\$555	\$577	\$600	\$624
6	Customer Service (Input Esc. at 3%)	3.00%	\$408	\$420	\$433	\$446	\$459	\$473
7	Sludge (Input Esc. at 3%)	3.00%	\$203	\$209	\$215	\$221	\$228	\$235
8	Unplanned Maintenance (Input Esc. at 3%)	3.00%	\$749	\$779	\$810	\$842	\$876	\$911
9	Veolia - Operations (Input Esc. at 3%)	3.00%	\$10,471	\$10,785	\$11,109	\$11,442	\$11,785	\$12,139
10	Utilities (Input Esc. at 4%)	4.00%	\$3,074	\$3,197	\$3,325	\$3,458	\$3,596	\$3,740
11	Operational Contingencies (Input Esc. at 4%)	4.00%	\$1,280	\$1,331	\$1,384	\$1,439	\$1,497	\$1,557
12	Beginning of Year Bond Amount (From GES Exh-5 Line 62)		\$210,201	\$196,750	\$183,299	\$221,752	\$206,571	\$191,390
13	Bond Reserve Requirements (From GES Exh-6 Line 8)		\$4,428	\$4,300	\$4,173	\$4,730	\$4,589	\$4,448
14								
15	Total Annual Bond Payments (From GES Exh-6 Line 3)		\$10,555	\$10,555	\$10,555	\$11,673	\$11,673	\$11,673
16	Total Annual Interest Payments (From GES Exh-6 Line 4)		\$7,156	\$6,646	\$6,136	\$7,246	\$6,683	\$6,119
17	Total Revenue Requirements (Line 2+3+4+5+6+7+8+9+10+11+13+15+16)		\$44,682	\$44,821	\$44,988	\$48,603	\$48,761	\$48,949

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 5 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
UNADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	Purchase Bond Amount \$100,000											
2	Beginning of Year Purchase Bond Balance (Line 5 From Previous Year)	\$100,000	\$96,667	\$93,334	\$90,001	\$86,668	\$83,335	\$80,002	\$76,669	\$73,336	\$70,003	\$66,670
3	Bond Payment - 30 Years (\$100,000 / 30 Years)	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333
4	Purchase Bond Interest Pmt (Line 2 x 4.83%)	\$4,830	\$4,669	\$4,508	\$4,347	\$4,186	\$4,025	\$3,864	\$3,703	\$3,542	\$3,381	\$3,220
5	End of Year Purchase Bond Balance (Line 2 - Line 3)	\$96,667	\$93,334	\$90,001	\$86,668	\$83,335	\$80,002	\$76,669	\$73,336	\$70,003	\$66,670	\$63,337
6	Treatment System \$30,000											
7	Beginning of Year Treatment System Balance (Line 10 From Previous Year)	\$30,000	\$29,000	\$28,000	\$27,000	\$26,000	\$25,000	\$24,000	\$23,000	\$22,000	\$21,000	\$20,000
8	Treatment System Pmt - 30 Years (\$30,000 / 30 Years)	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
9	Treatment System Interest Pmt (Line 7 x 4.83%)	\$1,449	\$1,401	\$1,352	\$1,304	\$1,256	\$1,208	\$1,159	\$1,111	\$1,063	\$1,014	\$966
10	End of Year Treatment System Balance (Line 7 - Line 8)	\$29,000	\$28,000	\$27,000	\$26,000	\$25,000	\$24,000	\$23,000	\$22,000	\$21,000	\$20,000	\$19,000
11	Reconstruction Bond \$20,000											
12	Beginning of Year Reconstruction Bond Balance (Line 15 From Previous Year)	\$20,000	\$19,333	\$18,666	\$17,999	\$17,332	\$16,665	\$15,998	\$15,331	\$14,664	\$13,997	\$13,330
13	Reconstruction Bond Pmt - 30 Years (\$20,000 / 30 Years)	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667
14	Reconstruction Bond Interest Pmt (Line 12 x 4.83%)	\$966	\$934	\$902	\$869	\$837	\$805	\$773	\$740	\$708	\$676	\$644
15	End of Year Reconstruction Bond Balance (Line 12 - Line 13)	\$19,333	\$18,666	\$17,999	\$17,332	\$16,665	\$15,998	\$15,331	\$14,664	\$13,997	\$13,330	\$12,663
16	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
17	Beginning of Year SRR Bond Balance (Line 20 From Previous Year)				\$20,248	\$19,573	\$18,898	\$18,223	\$17,548	\$16,873	\$16,198	\$15,523
18	SRR Bond Payment (\$18,000 / 30 Years)				\$675	\$675	\$675	\$675	\$675	\$675	\$675	\$675
19	SRR Bond Interest (Line 17 x 4.83%)				\$978	\$945	\$913	\$880	\$848	\$815	\$782	\$750
20	End of Year SRR Bond Balance (Line 17 - Line 18)				\$19,573	\$18,898	\$18,223	\$17,548	\$16,873	\$16,198	\$15,523	\$14,848
21	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
22	Beginning of Year SRR Bond Balance (Line 25 From Previous Year)						\$22,776	\$22,017	\$21,258	\$20,499	\$19,740	\$19,740
23	SRR Bond Payment (\$18,000 / 30 Years)						\$759	\$759	\$759	\$759	\$759	\$759
24	SRR Bond Interest (Line 22 x 4.83%)						\$1,100	\$1,063	\$1,027	\$990	\$953	\$953
25	End of Year SRR Bond Balance (Line 22 - Line 23)						\$22,017	\$21,258	\$20,499	\$19,740	\$18,981	\$18,981
26	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
27	Beginning of Year SRR Bond Balance (Line 30 From Previous Year)										\$25,619	\$24,765
28	SRR Bond Payment (\$18,000 / 30 Years)										\$854	\$854
29	SRR Bond Interest (Line 27 x 4.83%)										\$1,237	\$1,196
30	End of Year SRR Bond Balance (Line 27 - Line 28)										\$24,765	\$23,911
31	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
32	Beginning of Year SRR Bond Balance (Line 35 From Previous Year)											
33	SRR Bond Payment (\$18,000 / 30 Years)											
34	SRR Bond Interest (Line 32 x 4.83%)											
35	End of Year SRR Bond Balance (Line 32 - Line 33)											

GES EXHIBIT 5 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
UNADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
36	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
37	Beginning of Year SRR Bond Balance (Line 40 From Previous Year)											
38	SRR Bond Payment (\$18,000 / 30 Years)											
39	SRR Bond Interest (Line 37 x 4.83%)											
40	End of Year SRR Bond Balance (Line 37 - Line 38)											
41	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
42	Beginning of Year SRR Bond Balance (Line 45 From Previous Year)											
43	SRR Bond Payment (\$18,000 / 30 Years)											
44	SRR Bond Interest (Line 42 x 4.83%)											
45	End of Year SRR Bond Balance (Line 42 - Line 43)											
46	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
47	Beginning of Year SRR Bond Balance (Line 50 From Previous Year)											
48	SRR Bond Payment (\$18,000 / 30 Years)											
49	SRR Bond Interest (Line 47 x 4.83%)											
50	End of Year SRR Bond Balance (Line 47 - Line 48)											
51	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
52	Beginning of Year SRR Bond Balance (Line 55 From Previous Year)											
53	SRR Bond Payment (\$18,000 / 30 Years)											
54	SRR Bond Interest (Line 53 x 4.83%)											
55	End of Year SRR Bond Balance (Line 53 - Line 54)											
56	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
57	Beginning of Year SRR Bond Balance (Line 60 From Previous Year)											
58	SRR Bond Payment (\$18,000 / 30 Years)											
59	SRR Bond Interest (Line 57 x 4.83%)											
60	End of Year SRR Bond Balance (Line 57 - Line 58)											
61	Total Capital Borrowed (Line 2+7+12+17+22+27+32+37+42+47+52+57)	\$150,000			\$170,248			\$193,024			\$218,643	
62	Total Beginning of Year Balance (Line 2+7+12+17+22+27+32+37+42+47+52+57)	\$150,000	\$145,000	\$140,000	\$155,248	\$149,573	\$143,898	\$160,999	\$154,565	\$148,131	\$167,316	\$160,028
63	Total End of Year Balance (Line 5+10+15+20+25+30+35+40+45+50+55+60)	\$145,000	\$140,000	\$135,000	\$149,573	\$143,898	\$138,223	\$154,565	\$148,131	\$141,697	\$160,028	\$152,740
64	Total Annual Bond Payments (Line 3+8+13+18+23+28+33+38+43+48+53+58)	\$5,000	\$5,000	\$5,000	\$5,675	\$5,675	\$5,675	\$6,434	\$6,434	\$6,434	\$7,288	\$7,288
65	Total Annual Interest Payments (Line 4+9+14+19+24+29+34+39+44+49+54+59)	\$7,245	\$7,004	\$6,762	\$7,498	\$7,224	\$6,951	\$7,776	\$7,465	\$7,155	\$8,080	\$7,729
66	Total Annual Expense (Line 64 + Line 65)	\$12,245	\$12,004	\$11,762	\$13,173	\$12,899	\$12,626	\$14,210	\$13,899	\$13,589	\$15,368	\$15,017

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 5 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
UNADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1	Purchase Bond Amount \$100,000											
2	Beginning of Year Purchase Bond Balance (Line 5 From Previous Year)	\$63,337	\$60,004	\$56,671	\$53,338	\$50,005	\$46,672	\$43,339	\$40,006	\$36,673	\$33,340	\$30,007
3	Bond Payment - 30 Years (\$100,000 / 30 Years)	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333
4	Purchase Bond Interest Pmt (Line 2 x 4.83%)	\$3,059	\$2,898	\$2,737	\$2,576	\$2,415	\$2,254	\$2,093	\$1,932	\$1,771	\$1,610	\$1,449
5	End of Year Purchase Bond Balance (Line 2 - Line 3)	\$60,004	\$56,671	\$53,338	\$50,005	\$46,672	\$43,339	\$40,006	\$36,673	\$33,340	\$30,007	\$26,674
6	Treatment System \$30,000											
7	Beginning of Year Treatment System Balance (Line 10 From Previous Year)	\$19,000	\$18,000	\$17,000	\$16,000	\$15,000	\$14,000	\$13,000	\$12,000	\$11,000	\$10,000	\$9,000
8	Treatment System Pmt - 30 Years (\$30,000 / 30 Years)	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
9	Treatment System Interest Pmt (Line 7 x 4.83%)	\$918	\$869	\$821	\$773	\$725	\$676	\$628	\$580	\$531	\$483	\$435
10	End of Year Treatment System Balance (Line 7 - Line 8)	\$18,000	\$17,000	\$16,000	\$15,000	\$14,000	\$13,000	\$12,000	\$11,000	\$10,000	\$9,000	\$8,000
11	Reconstruction Bond \$20,000											
12	Beginning of Year Reconstruction Bond Balance (Line 15 From Previous Year)	\$12,663	\$11,996	\$11,329	\$10,662	\$9,995	\$9,328	\$8,661	\$7,994	\$7,327	\$6,660	\$5,993
13	Reconstruction Bond Pmt - 30 Years (\$20,000 / 30 Years)	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667
14	Reconstruction Bond Interest Pmt (Line 12 x 4.83%)	\$612	\$579	\$547	\$515	\$483	\$451	\$418	\$386	\$354	\$322	\$289
15	End of Year Reconstruction Bond Balance (Line 12 - Line 13)	\$11,996	\$11,329	\$10,662	\$9,995	\$9,328	\$8,661	\$7,994	\$7,327	\$6,660	\$5,993	\$5,326
16	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
17	Beginning of Year SRR Bond Balance (Line 20 From Previous Year)	\$14,848	\$14,173	\$13,498	\$12,823	\$12,148	\$11,473	\$10,798	\$10,123	\$9,448	\$8,773	\$8,098
18	SRR Bond Payment (\$18,000 / 30 Years)	\$675	\$675	\$675	\$675	\$675	\$675	\$675	\$675	\$675	\$675	\$675
19	SRR Bond Interest (Line 17 x 4.83%)	\$717	\$685	\$652	\$619	\$587	\$554	\$522	\$489	\$456	\$424	\$391
20	End of Year SRR Bond Balance (Line 17 - Line 18)	\$14,173	\$13,498	\$12,823	\$12,148	\$11,473	\$10,798	\$10,123	\$9,448	\$8,773	\$8,098	\$7,423
21	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
22	Beginning of Year SRR Bond Balance (Line 25 From Previous Year)	\$18,981	\$18,222	\$17,463	\$16,704	\$15,945	\$15,186	\$14,427	\$13,668	\$12,909	\$12,150	\$11,391
23	SRR Bond Payment (\$18,000 / 30 Years)	\$759	\$759	\$759	\$759	\$759	\$759	\$759	\$759	\$759	\$759	\$759
24	SRR Bond Interest (Line 22 x 4.83%)	\$917	\$880	\$843	\$807	\$770	\$733	\$697	\$660	\$624	\$587	\$550
25	End of Year SRR Bond Balance (Line 22 - Line 23)	\$18,222	\$17,463	\$16,704	\$15,945	\$15,186	\$14,427	\$13,668	\$12,909	\$12,150	\$11,391	\$10,632
26	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
27	Beginning of Year SRR Bond Balance (Line 30 From Previous Year)	\$23,911	\$23,057	\$22,203	\$21,349	\$20,495	\$19,641	\$18,787	\$17,933	\$17,079	\$16,225	\$15,371
28	SRR Bond Payment (\$18,000 / 30 Years)	\$854	\$854	\$854	\$854	\$854	\$854	\$854	\$854	\$854	\$854	\$854
29	SRR Bond Interest (Line 27 x 4.83%)	\$1,155	\$1,114	\$1,072	\$1,031	\$990	\$949	\$907	\$866	\$825	\$784	\$742
30	End of Year SRR Bond Balance (Line 27 - Line 28)	\$23,057	\$22,203	\$21,349	\$20,495	\$19,641	\$18,787	\$17,933	\$17,079	\$16,225	\$15,371	\$14,517
31	System Repair and Replacement Bond \$18,000 (Esc. at 4%)											
32	Beginning of Year SRR Bond Balance (Line 35 From Previous Year)		\$28,818	\$27,857	\$26,896	\$25,935	\$24,974	\$24,013	\$23,052	\$22,091	\$21,130	\$20,169
33	SRR Bond Payment (\$18,000 / 30 Years)		\$961	\$961	\$961	\$961	\$961	\$961	\$961	\$961	\$961	\$961
34	SRR Bond Interest (Line 32 x 4.83%)		\$1,392	\$1,345	\$1,299	\$1,253	\$1,206	\$1,160	\$1,113	\$1,067	\$1,021	\$974
35	End of Year SRR Bond Balance (Line 32 - Line 33)		\$27,857	\$26,896	\$25,935	\$24,974	\$24,013	\$23,052	\$22,091	\$21,130	\$20,169	\$19,208

GES EXHIBIT 5 - REVISED 11/14/2006

REVENUE REQUIREMENTS - CITY OF NASHUA

UNADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036

Line	Description (All Dollar Figures in Thousands)										
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
36											
37											
38											
39											
40											
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43											
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65											
66											

Note: All calculations rounded to the nearest thousand

**GES EXHIBIT 5 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
UNADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036**

Line	Description (All Dollar Figures in Thousands)							2029	2030	2031	2032	2033	2034	2035	2036
1	Purchase Bond Amount \$100,000														
2	Beginning of Year Purchase Bond Balance (Line 5 From Previous Year)							\$26,674	\$23,341	\$20,008	\$16,675	\$13,342	\$10,009	\$6,676	\$3,343
3	Bond Payment - 30 Years (\$100,000 / 30 Years)							\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333	\$3,333
4	Purchase Bond Interest Pmt (Line 2 x 4.83%)							\$1,288	\$1,127	\$966	\$805	\$644	\$483	\$322	\$161
5	End of Year Purchase Bond Balance (Line 2 - Line 3)							\$23,341	\$20,008	\$16,675	\$13,342	\$10,009	\$6,676	\$3,343	\$10
6	Treatment System \$30,000														
7	Beginning of Year Treatment System Balance (Line 10 From Previous Year)							\$8,000	\$7,000	\$6,000	\$5,000	\$4,000	\$3,000	\$2,000	\$1,000
8	Treatment System Pmt - 30 Years (\$30,000 / 30 Years)							\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
9	Treatment System Interest Pmt (Line 7 x 4.83%)							\$386	\$338	\$290	\$242	\$193	\$145	\$97	\$48
10	End of Year Treatment System Balance (Line 7 - Line 8)							\$7,000	\$6,000	\$5,000	\$4,000	\$3,000	\$2,000	\$1,000	\$0
11	Reconstruction Bond \$20,000														
12	Beginning of Year Reconstruction Bond Balance (Line 15 From Previous Year)							\$5,326	\$4,659	\$3,992	\$3,325	\$2,658	\$1,991	\$1,324	\$657
13	Reconstruction Bond Pmt - 30 Years (\$20,000 / 30 Years)							\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667
14	Reconstruction Bond Interest Pmt (Line 12 x 4.83%)							\$257	\$225	\$193	\$161	\$128	\$96	\$64	\$32
15	End of Year Reconstruction Bond Balance (Line 12 - Line 13)							\$4,659	\$3,992	\$3,325	\$2,658	\$1,991	\$1,324	\$657	-\$10
16	System Repair and Replacement Bond \$18,000 (Esc. at 4%)														
17	Beginning of Year SRR Bond Balance (Line 20 From Previous Year)							\$7,423	\$6,748	\$6,073	\$5,398	\$4,723	\$4,048	\$3,373	\$2,698
18	SRR Bond Payment (\$18,000 / 30 Years)							\$675	\$675	\$675	\$675	\$675	\$675	\$675	\$675
19	SRR Bond Interest (Line 17 x 4.83%)							\$359	\$326	\$293	\$261	\$228	\$196	\$163	\$130
20	End of Year SRR Bond Balance (Line 17 - Line 18)							\$6,748	\$6,073	\$5,398	\$4,723	\$4,048	\$3,373	\$2,698	\$2,023
21	System Repair and Replacement Bond \$18,000 (Esc. at 4%)														
22	Beginning of Year SRR Bond Balance (Line 25 From Previous Year)							\$10,632	\$9,873	\$9,114	\$8,355	\$7,596	\$6,837	\$6,078	\$5,319
23	SRR Bond Payment (\$18,000 / 30 Years)							\$759	\$759	\$759	\$759	\$759	\$759	\$759	\$759
24	SRR Bond Interest (Line 22 x 4.83%)							\$514	\$477	\$440	\$404	\$367	\$330	\$294	\$257
25	End of Year SRR Bond Balance (Line 22 - Line 23)							\$9,873	\$9,114	\$8,355	\$7,596	\$6,837	\$6,078	\$5,319	\$4,560
26	System Repair and Replacement Bond \$18,000 (Esc. at 4%)														
27	Beginning of Year SRR Bond Balance (Line 30 From Previous Year)							\$14,517	\$13,663	\$12,809	\$11,955	\$11,101	\$10,247	\$9,393	\$8,539
28	SRR Bond Payment (\$18,000 / 30 Years)							\$854	\$854	\$854	\$854	\$854	\$854	\$854	\$854
29	SRR Bond Interest (Line 27 x 4.83%)							\$701	\$660	\$619	\$577	\$536	\$495	\$454	\$412
30	End of Year SRR Bond Balance (Line 27 - Line 28)							\$13,663	\$12,809	\$11,955	\$11,101	\$10,247	\$9,393	\$8,539	\$7,685
31	System Repair and Replacement Bond \$18,000 (Esc. at 4%)														
32	Beginning of Year SRR Bond Balance (Line 35 From Previous Year)							\$19,208	\$18,247	\$17,286	\$16,325	\$15,364	\$14,403	\$13,442	\$12,481
33	SRR Bond Payment (\$18,000 / 30 Years)							\$961	\$961	\$961	\$961	\$961	\$961	\$961	\$961
34	SRR Bond Interest (Line 32 x 4.83%)							\$928	\$881	\$835	\$788	\$742	\$696	\$649	\$603
35	End of Year SRR Bond Balance (Line 32 - Line 33)							\$18,247	\$17,286	\$16,325	\$15,364	\$14,403	\$13,442	\$12,481	\$11,520

GES EXHIBIT 5 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
UNADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2029	2030	2031	2032	2033	2034	2035	2036
36	System Repair and Replacement Bond \$18,000 (Esc. at 4%)								
37	Beginning of Year SRR Bond Balance (Line 40 From Previous Year)	\$24,850	\$23,769	\$22,688	\$21,607	\$20,526	\$19,445	\$18,364	\$17,283
38	SRR Bond Payment (\$18,000 / 30 Years)	\$1,081	\$1,081	\$1,081	\$1,081	\$1,081	\$1,081	\$1,081	\$1,081
39	SRR Bond Interest (Line 37 x 4.83%)	\$1,200	\$1,148	\$1,096	\$1,044	\$991	\$939	\$887	\$835
40	End of Year SRR Bond Balance (Line 37 - Line 38)	\$23,769	\$22,688	\$21,607	\$20,526	\$19,445	\$18,364	\$17,283	\$16,202
41	System Repair and Replacement Bond \$18,000 (Esc. at 4%)								
42	Beginning of Year SRR Bond Balance (Line 45 From Previous Year)	\$31,602	\$30,386	\$29,170	\$27,954	\$26,738	\$25,522	\$24,306	\$23,090
43	SRR Bond Payment (\$18,000 / 30 Years)	\$1,216	\$1,216	\$1,216	\$1,216	\$1,216	\$1,216	\$1,216	\$1,216
44	SRR Bond Interest (Line 42 x 4.83%)	\$1,526	\$1,468	\$1,409	\$1,350	\$1,291	\$1,233	\$1,174	\$1,115
45	End of Year SRR Bond Balance (Line 42 - Line 43)	\$30,386	\$29,170	\$27,954	\$26,738	\$25,522	\$24,306	\$23,090	\$21,874
46	System Repair and Replacement Bond \$18,000 (Esc. at 4%)								
47	Beginning of Year SRR Bond Balance (Line 50 From Previous Year)	\$39,653	\$38,286	\$36,919	\$35,552	\$34,185	\$32,818	\$31,451	\$30,084
48	SRR Bond Payment (\$18,000 / 30 Years)	\$1,367	\$1,367	\$1,367	\$1,367	\$1,367	\$1,367	\$1,367	\$1,367
49	SRR Bond Interest (Line 47 x 4.83%)	\$1,915	\$1,849	\$1,783	\$1,717	\$1,651	\$1,585	\$1,519	\$1,453
50	End of Year SRR Bond Balance (Line 47 - Line 48)	\$38,286	\$36,919	\$35,552	\$34,185	\$32,818	\$31,451	\$30,084	\$28,717
51	System Repair and Replacement Bond \$18,000 (Esc. at 4%)								
52	Beginning of Year SRR Bond Balance (Line 55 From Previous Year)			\$46,142	\$44,604	\$43,066	\$41,528	\$39,990	\$38,452
53	SRR Bond Payment (\$18,000 / 30 Years)			\$1,538	\$1,538	\$1,538	\$1,538	\$1,538	\$1,538
54	SRR Bond Interest (Line 17 x 4.83%)			\$2,229	\$2,154	\$2,080	\$2,006	\$1,932	\$1,857
55	End of Year SRR Bond Balance (Line 17 - Line 18)			\$44,604	\$43,066	\$41,528	\$39,990	\$38,452	\$36,914
56	System Repair and Replacement Bond \$18,000 (Esc. at 4%)								
57	Beginning of Year SRR Bond Balance (Line 60 From Previous Year)						\$51,904	\$50,174	\$48,444
58	SRR Bond Payment (\$18,000 / 30 Years)						\$1,730	\$1,730	\$1,730
59	SRR Bond Interest (Line 57 x 4.83%)						\$2,507	\$2,423	\$2,340
60	End of Year SRR Bond Balance (Line 57 - Line 58)						\$50,174	\$48,444	\$46,714
61	Total Capital Borrowed (Line 2+7+12+17+22+27+32+37+42+47+52+57)			\$403,506			\$455,410		
62	Total Beginning of Year Balance (Line 2+7+12+17+22+27+32+37+42+47+52+57)	\$187,885	\$175,972	\$210,201	\$196,750	\$183,299	\$221,752	\$206,571	\$191,390
63	Total End of Year Balance (Line 5+10+15+20+25+30+35+40+45+50+55+60)	\$175,972	\$164,059	\$196,750	\$183,299	\$169,848	\$206,571	\$191,390	\$176,209
64	Total Annual Bond Payments (Line 3+8+13+18+23+28+33+38+43+48+53+58)	\$11,913	\$11,913	\$13,451	\$13,451	\$13,451	\$15,181	\$15,181	\$15,181
65	Total Annual Interest Payments (Line 4+9+14+19+24+29+34+39+44+49+54+59)	\$9,074	\$8,499	\$10,153	\$9,503	\$8,851	\$10,711	\$9,978	\$9,243
66	Total Annual Expense (Line 64 + Line 65)	\$20,987	\$20,412	\$23,604	\$22,954	\$22,302	\$25,892	\$25,159	\$24,424

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 6 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
ADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	Total Beginning of Year Balance (Input)	\$150,000	\$145,000	\$140,000	\$148,495	\$143,045	\$137,595	\$147,293	\$141,338	\$135,383	\$146,420	\$139,899
2	Total End of Year Balance (Line 1 - Line 3)	\$145,000	\$140,000	\$135,000	\$143,045	\$137,595	\$132,145	\$141,338	\$135,383	\$129,428	\$139,899	\$133,378
3	Total Annual Bond Payments (Input)	\$5,000	\$5,000	\$5,000	\$5,450	\$5,450	\$5,450	\$5,955	\$5,955	\$5,955	\$6,521	\$6,521
4	Total Annual Interest Payments (Line 1 x 4.83%)	\$7,245	\$7,004	\$6,762	\$7,172	\$6,909	\$6,646	\$7,114	\$6,827	\$6,539	\$7,072	\$6,757
5	Total Annual Expense (Line 3 + Line 4)	\$12,245	\$12,004	\$11,762	\$12,622	\$12,359	\$12,096	\$13,069	\$12,782	\$12,494	\$13,593	\$13,278
6												
7	Bond Payment Coverage Requirement (1.25 x Line 5)	\$15,306	\$15,005	\$14,703	\$15,778	\$15,449	\$15,120	\$16,336	\$15,978	\$15,618	\$16,991	\$16,598
8	Bond Reserves Required (Line 8 - Line 5)	\$3,061	\$3,001	\$2,941	\$3,156	\$3,090	\$3,024	\$3,267	\$3,196	\$3,124	\$3,398	\$3,320
9	Bond Reserves Retained (Line 8 x 25%)	\$765	\$750	\$735	\$789	\$773	\$756	\$817	\$799	\$781	\$850	\$830
10	Bond Reserves Reinvested (Line 8 x 75%)	\$2,296	\$2,251	\$2,206	\$2,367	\$2,318	\$2,268	\$2,450	\$2,397	\$2,343	\$2,549	\$2,490

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 6 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
ADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1	Total Beginning of Year Balance (Input)	\$133,378	\$145,904	\$138,748	\$131,592	\$145,778	\$137,911	\$130,044	\$146,082	\$137,418	\$128,754	\$146,856
2	Total End of Year Balance (Line 1 - Line 3)	\$126,857	\$138,748	\$131,592	\$124,436	\$137,911	\$130,044	\$122,177	\$137,418	\$128,754	\$120,090	\$137,300
3	Total Annual Bond Payments (Input)	\$6,521	\$7,156	\$7,156	\$7,156	\$7,867	\$7,867	\$7,867	\$8,664	\$8,664	\$8,664	\$9,556
4	Total Annual Interest Payments (Line 1 x 4.83%)	\$6,442	\$7,047	\$6,702	\$6,356	\$7,041	\$6,661	\$6,281	\$7,056	\$6,637	\$6,219	\$7,093
5	Total Annual Expense (Line 3 + Line 4)	\$12,963	\$14,203	\$13,858	\$13,512	\$14,908	\$14,528	\$14,148	\$15,720	\$15,301	\$14,883	\$16,649
6												
7	Bond Payment Coverage Requirement (1.25 x Line 5)	\$16,204	\$17,754	\$17,323	\$16,890	\$18,635	\$18,160	\$17,685	\$19,650	\$19,126	\$18,604	\$20,811
8	Bond Reserves Required (Line 8 - Line 5)	\$3,241	\$3,551	\$3,465	\$3,378	\$3,727	\$3,632	\$3,537	\$3,930	\$3,825	\$3,721	\$4,162
9	Bond Reserves Retained (Line 8 x 25%)	\$810	\$888	\$866	\$845	\$932	\$908	\$884	\$983	\$956	\$930	\$1,041
10	Bond Reserves Reinvested (Line 8 x 75%)	\$2,431	\$2,663	\$2,599	\$2,534	\$2,795	\$2,724	\$2,653	\$2,948	\$2,869	\$2,791	\$3,122

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 6 - REVISED 11/14/2006
REVENUE REQUIREMENTS - CITY OF NASHUA
ADJUSTED BOND PAYMENT REQUIREMENTS 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2029	2030	2031	2032	2033	2034	2035	2036	Total
1	Total Beginning of Year Balance (Input)	\$137,300	\$127,744	\$148,153	\$137,598	\$127,043	\$150,028	\$138,355	\$126,682	
2	Total End of Year Balance (Line 1 - Line 3)	\$127,744	\$118,188	\$137,598	\$127,043	\$116,488	\$138,355	\$126,682	\$115,009	
3	Total Annual Bond Payments (Input)	\$9,556	\$9,556	\$10,555	\$10,555	\$10,555	\$11,673	\$11,673	\$11,673	\$235,191
4	Total Annual Interest Payments (Line 1 x 4.83%)	\$6,632	\$6,170	\$7,156	\$6,646	\$6,136	\$7,246	\$6,683	\$6,119	\$202,370
5	Total Annual Expense (Line 3 + Line 4)	\$16,188	\$15,726	\$17,711	\$17,201	\$16,691	\$18,919	\$18,356	\$17,792	\$437,561
6										
7	Bond Payment Coverage Requirement (1.25 x Line 5)	\$20,235	\$19,658	\$22,139	\$21,501	\$20,864	\$23,649	\$22,945	\$22,240	\$546,955
8	Bond Reserves Required (Line 8 - Line 5)	\$4,047	\$3,932	\$4,428	\$4,300	\$4,173	\$4,730	\$4,589	\$4,448	\$109,394
9	Bond Reserves Retained (Line 8 x 25%)	\$1,012	\$983	\$1,107	\$1,075	\$1,043	\$1,183	\$1,147	\$1,112	\$27,350
10	Bond Reserves Reinvested (Line 8 x 75%)	\$3,035	\$2,949	\$3,321	\$3,225	\$3,130	\$3,548	\$3,442	\$3,336	\$82,050

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 7 - REVISED 11/14/2006
REVENUE REQUIREMENTS
DIFFERENCE BETWEEN PWW AND NASHUA 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	Total Operating Revenue Required PWW (From GES Exh-2 Line 4)	\$29,500	\$29,461	\$29,448	\$32,245	\$32,217	\$32,217	\$35,388	\$35,373	\$35,390	\$38,973	\$38,970
2	Existing Revenue (\$22,786 Docket 06-073)	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786
3	Rate Increase Required for PWW - Total Amount (Line 1 - Line 2)	\$6,714	\$6,675	\$6,662	\$9,459	\$9,431	\$9,431	\$12,602	\$12,587	\$12,604	\$16,187	\$16,184
4	Rate Increase Required for PWW - Percent Increase (Line 1/ Line 2)	29%	29%	29%	42%	41%	41%	55%	55%	55%	71%	71%
5												
6	Total Revenue Requirements for City of Nashua Ownership (From GES Exh-4 Line 17)	\$25,374	\$25,415	\$25,465	\$26,906	\$26,955	\$27,016	\$28,636	\$28,698	\$28,770	\$30,592	\$30,662
7	Existing Revenue (\$22,786 Docket 06-073)	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786
8	Rate Increase for City of Nashua Ownership - Total Amount (Line 6 - Line 7)	\$2,588	\$2,629	\$2,679	\$4,120	\$4,169	\$4,230	\$5,850	\$5,912	\$5,984	\$7,806	\$7,876
9	Rate Increase for City of Nashua Ownership - Percent Increase (Line 6 / Line 7)	11%	12%	12%	18%	18%	19%	26%	26%	26%	34%	35%
10												
11	Rate Comparison											
12	Difference between City and PWW - Total Amount (Line 1 - Line 6)	\$4,126	\$4,046	\$3,983	\$5,339	\$5,262	\$5,201	\$6,752	\$6,675	\$6,620	\$8,381	\$8,308
13	Difference between PWW - (Line4)	29%	29%	29%	42%	41%	41%	55%	55%	55%	71%	71%
14	Difference between City - (Line 9)	11%	12%	12%	18%	18%	19%	26%	26%	26%	34%	35%
15												
16	Cumulative Difference PWW to City - Total (Line 12 Summed)	\$4,126	\$8,172	\$12,155	\$17,494	\$22,755	\$27,956	\$34,707	\$41,382	\$48,002	\$56,384	\$64,692

Note: All calculations rounded to the nearest thousand

GES EXHIBIT 7 - REVISED 11/14/2006
REVENUE REQUIREMENTS
DIFFERENCE BETWEEN PWW AND NASHUA 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1	Total Operating Revenue Required PWW (From GES Exh-2 Line 4)	\$39,003	\$43,051	\$43,062	\$43,112	\$47,684	\$47,711	\$45,118	\$50,665	\$51,004	\$51,391	\$57,581
2	Existing Revenue (\$22,786 Docket 06-073)	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786
3	Rate Increase Required for PWW - Total Amount (Line 1 - Line 2)	\$16,217	\$20,265	\$20,276	\$20,326	\$24,898	\$24,925	\$22,332	\$27,879	\$28,218	\$28,605	\$34,795
4	Rate Increase Required for PWW - Percent Increase (Line 1 / Line 2)	71%	89%	89%	89%	109%	109%	98%	122%	124%	126%	153%
5												
6	Total Revenue Requirements for City of Nashua Ownership (From GES Exh-4 Line 17)	\$30,749	\$32,795	\$32,879	\$32,977	\$35,273	\$35,367	\$35,481	\$38,056	\$38,162	\$38,294	\$41,178
7	Existing Revenue (\$22,786 Docket 06-073)	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786
8	Rate Increase for City of Nashua Ownership - Total Amount (Line 6 - Line 7)	\$7,963	\$10,009	\$10,093	\$10,191	\$12,487	\$12,581	\$12,695	\$15,270	\$15,376	\$15,508	\$18,392
9	Rate Increase for City of Nashua Ownership - Percent Increase (Line 6 / Line 7)	35%	44%	44%	45%	55%	55%	56%	67%	67%	68%	81%
10												
11	Rate Comparison											
12	Difference between City and PWW - Total Amount (Line 1 - Line 6)	\$8,254	\$10,256	\$10,183	\$10,135	\$12,411	\$12,344	\$9,637	\$12,609	\$12,842	\$13,097	\$16,403
13	Difference between PWW - (Line 4)	71%	89%	89%	89%	109%	109%	98%	122%	124%	126%	153%
14	Difference between City - (Line 9)	35%	44%	44%	45%	55%	55%	56%	67%	67%	68%	81%
15												
16	Cumulative Difference PWW to City - Total (Line 12 Summed)	\$72,947	\$83,202	\$93,385	\$103,520	\$115,931	\$128,275	\$137,912	\$150,521	\$163,363	\$176,459	\$192,862

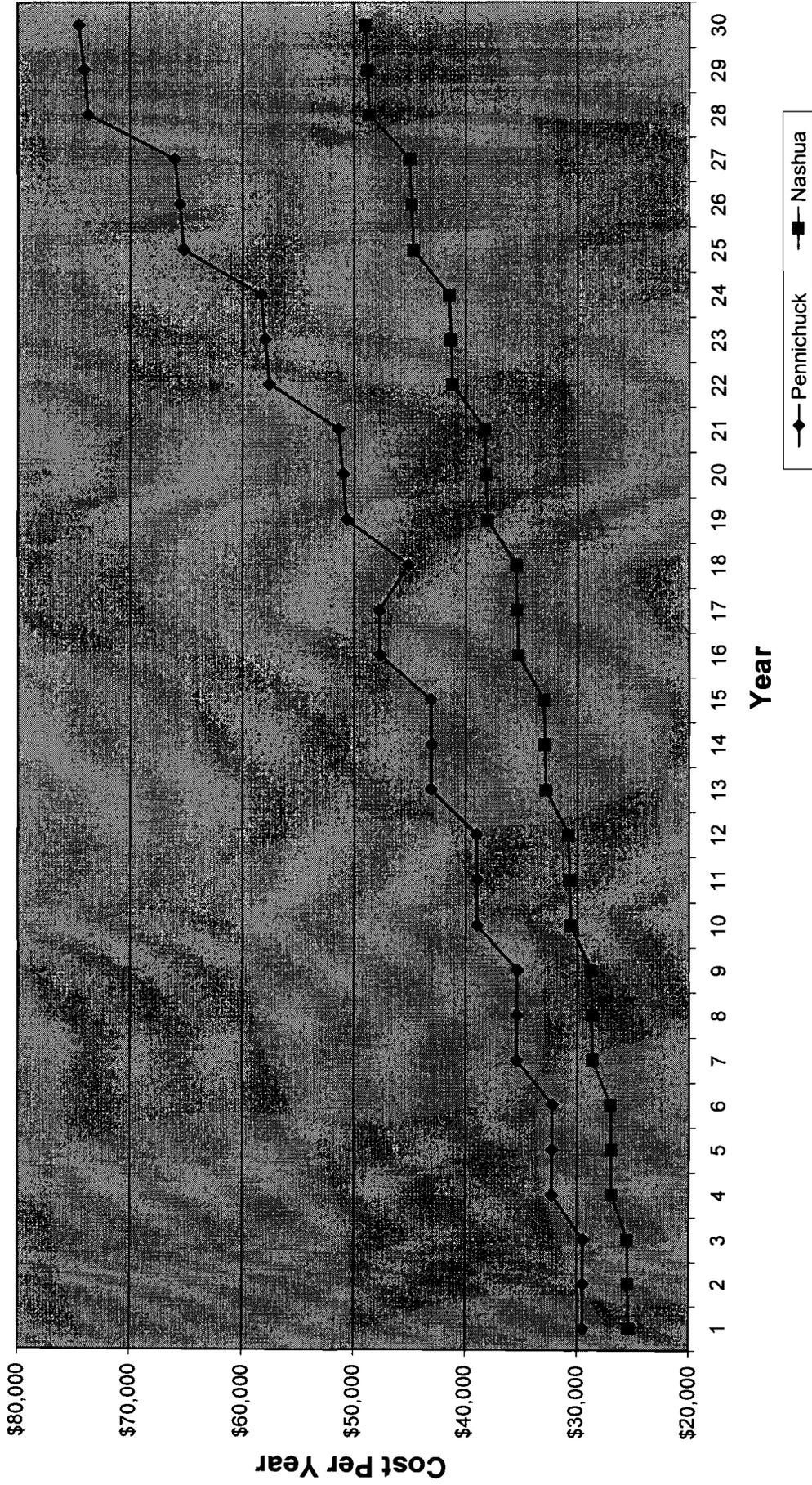
Note: All calculations rounded to the nearest thousand

GES EXHIBIT 7 - REVISED 11/14/2006
REVENUE REQUIREMENTS
DIFFERENCE BETWEEN PWW AND NASHUA 2007 - 2036

Line	Description (All Dollar Figures in Thousands)	2029	2030	2031	2032	2033	2034	2035	2036	Total
1	Total Operating Revenue Required PWW (From GES Exh-2 Line 4)	\$57,920	\$58,316	\$65,232	\$65,578	\$65,988	\$73,720	\$74,074	\$74,500	\$1,423,888
2	Existing Revenue (\$22,786 Docket 06-073)	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$683,580
3	Rate Increase Required for PWW - Total Amount (Line 1 - Line 2)	\$35,134	\$35,530	\$42,446	\$42,792	\$43,202	\$50,934	\$51,288	\$51,714	\$740,308
4	Rate Increase Required for PWW - Percent Increase (Line 1/Line 2)	154%	156%	186%	188%	190%	224%	225%	227%	3249%
5										
6	Total Revenue Requirements for City of Nashua Ownership (From GES Exh-4 Line 17)	\$41,302	\$41,451	\$44,682	\$44,821	\$44,988	\$48,603	\$48,761	\$48,949	\$1,059,257
7	Existing Revenue (\$22,786 Docket 06-073)	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$22,786	\$683,580
8	Rate Increase for City of Nashua Ownership - Total Amount (Line 6 - Line 7)	\$18,516	\$18,665	\$21,896	\$22,035	\$22,202	\$25,817	\$25,975	\$26,163	\$375,677
9	Rate Increase for City of Nashua Ownership - Percent Increase (Line 6 / Line 7)	81%	82%	96%	97%	97%	113%	114%	115%	1649%
10										
11	Rate Comparison									
12	Difference between City and PWW - Total Amount (Line 1 - Line 6)	\$16,618	\$16,865	\$20,550	\$20,757	\$21,000	\$25,117	\$25,313	\$25,551	\$364,631
13	Difference between PWW - (Line 4)	154%	156%	186%	188%	190%	224%	225%	227%	3249%
14	Difference between City - (Line 9)	81%	82%	96%	97%	97%	113%	114%	115%	1649%
15										
16	Cumulative Difference PWW to City - Total (Line 12 Summed)	\$209,480	\$226,345	\$246,894	\$267,651	\$288,650	\$313,767	\$339,080	\$364,631	

Note: All calculations rounded to the nearest thousand

**GES - Exhibit 10 - Revised 11/14/2006
Difference Between PWW & Nashua 2007 - 2036**



Pennichuck	\$29,500	\$29,461	\$29,448	\$32,245	\$32,217	\$32,217	\$35,388	\$35,373
Nashua	\$25,374	\$25,415	\$25,465	\$26,906	\$26,955	\$27,016	\$28,636	\$28,698

\$35,390	\$38,973	\$38,970	\$39,003	\$43,051	\$43,062	\$43,112	\$47,684	\$47,711
\$28,770	\$30,592	\$30,662	\$30,749	\$32,795	\$32,879	\$32,977	\$35,273	\$35,367

\$45,118	\$50,665	\$51,004	\$51,391	\$57,581	\$57,920	\$58,316	\$65,232	\$65,578
\$35,481	\$38,056	\$38,162	\$38,294	\$41,178	\$41,302	\$41,451	\$44,682	\$44,821

\$65,988	\$73,720	\$74,074	\$74,500
\$44,988	\$48,603	\$48,761	\$48,949

GES EXHIBIT 37

Documents used in updating GES exhibits submitted 11/14/06 are as follows:

- Documents filed in NH PUC Docket DW06-073 – rate case
- Annual Report to NH PUC, 12/31/05
- Pennichuck Corp. SEC 10-Q filing, 6/30/06
- Documents filed in NH PUC Docket DW 04-048
- Final Rate Order in NH PUC Docket DW 04-056

Summary of changes in the GES exhibits submitted 11/14/06 are as follows:

- GES Exhibit 2 – Revised 11/14/06
 - Total Operating Revenues (Line 18+27+29)
 - Production (Input Esc. at 4%)
 - Transmission & Distribution (Input Esc. at 4%)
 - Customer Accounting (Input Esc. at 4%)
 - Administrative & General (Input Esc. at 4%)
 - Other Adjustments (Input Esc. at 4%)
 - Total O & M Expenses (Line 5+6+7+8+9)
 - Property Taxes (Input Esc. at 4%)
 - Other Taxes (Input Esc. at 4%)
 - Depreciation (Input – 12/31/04 + 3% of Balance over 12/31/04)
 - Amortization Expense (Input Esc. at 4%)
 - Amortization Expense – CIAC (Input Esc. at 4%)
 - Total Operating Expenses (Line 10 Through 17 Summed)
 - Final Consolidated Rate Base Including DFIT (From GES Exh-3 Line 7)
- GES Exhibit 3 – Revised 11/14/06
 - Consolidated Rate Base (Input)
 - Depreciation Difference for IRS versus PUC (Line 1 X 1.5%)
 - Deferred Federal Income Tax (DFIT) (Line 2 x .3961)
 - Cumulative DFIT (Line 3 Summed)

Revised Consolidated Rate Base (Subtract DFIT) (Line 1 – Line 4)

Final Consolidated Rate Base (Line 5 + Line 6)

- GES Exhibit 4 – Revised 11/14/06

Taxes – Ad Valorem (Input Esc at 4%)

Oversight (Input Esc. at 4%)

Insurance (Input Esc. at 4%)

Purchased Water (Input Esc. at 4%)

Customer Service (Input Esc. at 4%)

Unplanned Maintenance (Input Esc. at 4%)

Utilities (Input Esc. at 4%)

Beginning of Year Bond Amount (From GES Exh-5 Line 62)

Bond Reserve Requirements (From GES Exh-6 Line 8)

Total Annual Bond Payments (From GES Exh-6 Line 3)

Total Annual Interest Payments (From GES Exh-6 Line 4)

- GES Exhibit 5 – Revised 11/14/06

Beginning of Year Purchase Bond Balance (Line 5 from Prev. Year)

Purchase Bond Interest Pmt (Line 2 x 4.83%)

- GES Exhibit 6 – Revised 11/14/06

Total Beginning of Year Balance (Input)

Total Annual Bond Payments (Input)

Total Annual Interest Payments (Line 1 x 4.83%)

- GES Exhibit 7 – Revised 11/14/06

Total Operating Revenue Required PWW (From GES Exh-2 Line 4)

Existing Revenue (\$22,786 Docket 06-073)

Rate Increase Required for PWW – Percent Increase (Line 1/Line 2)

Total Revenue Requirements for City of Nashua Ownership (From GES Exh-4 Line 17).

Existing Revenue (\$22,786 Docket 06-073)

Rate Increase for City of Nashua Ownership – Percent Increase (Line 6/Line 7)

- GES Exhibit 10 – Revised 11/14/06

This is a graph and is affected by data change in GES Exhibit 7.