

The North Country Resource Conservation and Development Area, Inc

Preliminary Feasibility Analysis for Distributed Energy and District Heating in the Village of Groveton, New Hampshire

July 2008





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0. Executive summary

In January 2008 the North Country Resource Conservation & Development Area Inc. (NCRC&D) commissioned Horizons Engineering L.L.C. and Ramboll Denmark A/S to carry out a feasibility study of a district heating network in the Village of Groveton, New Hampshire. The study was funded through a Memorandum of Understanding with the North Country Council, Inc to administer part of the US Department of Commerce, Economic Development Administration's Coos County Economic Adjustment Implementation Plan.

NCRC&D organized an Advisory Committee that together with NCRC&D would follow the study. The Advisory Committee was to assist in making information available, to oversee the progress of the study and to finally accept the study report. The Advisory Committee has also an important role to play in the discussions following the issuing of the report, in particular on how to take the next step towards developing a district heating network.

Today the residents of Groveton rely heavily on oil to heat the homes and buildings in the village. With the increasing oil and gas prices an important objective of a district heating network is to reduce the heating costs and to maximize energy efficiencies. A district heating project should also seek to support growth of new business and industry in Groveton. The use of local, renewable energy supplies, such as biomass, would be an additional objective.

Two of the key principles in the study are to avoid advanced technologies during the early stages and to avoid overspending on the district heating network. A phasing of the build-out is part of the suggested approach and for the assessments made in this study Groveton has been divided into three main areas, two of which are proposed supplied from the heat network.

The study does not describe the provision of heat for the district heating network. Assumptions have been made with regard to the location of the heat source at the Wausau Papers property and the use of wood chip as the main fuel in order to assess the economy of the project.

The most difficult and time consuming part of the study has been to obtain precise heating data for the buildings in Groveton. It has been assumed that the district heating supply will cover both the heating of the buildings and the domestic hot water demand, which is the normal procedure when introducing district heating.

The report briefly outlines the heat production technologies available for the supply of a district heating network, including a description of the combined production of heat and power. This section also deals with wood as a fuel, some of the questions surrounding heat storages, alternative heat sources and the requirements for backup boilers. Another section of the report is dedicated to planning issues and the possibilities of funding that Horizons Engineering and Ramboll have identified.

The objective of the district heating network is to supply the majority of Groveton with heat and domestic hot water in the most economically feasible way. This means that the network needs to be divided into two networks and implemented over three phases.

Two district heating networks have been outlined in the study to find the right pipe dimensions and to develop project cost estimates. The first network covers the central part of Groveton, west of the Wausau Paper property, and the second network covers the northern part of the village.

It is assumed that a wood chip fired heat production facility is established close to the Wausau Paper property. The facility will have oil-fired back-up boilers.

The connected buildings will have a hydraulic interface unit with a heat exchanger and a cylinder for domestic hot water.

Three scenarios have been examined to assess the feasibility of a district heating network. The scenarios 1A, 1B and 2 represent a development in three stages; scenario 1A covers the area closest to the boiler plant, scenario 1B takes a step further, covering a larger area (including 1A) and scenario 2 is a further development to an even larger area (including both 1A and 1B).

In order to make the financial appraisal we have estimated the costs of the pipe network, the costs of establishing a wood chip fired heat production facility with oilfired back-up boilers and the costs related to the connection of each building to the district heating network through a hydraulic interface unit. Also assumptions about the oil price and the price of wood chips are included in the study.

The total cost estimates for the three scenarios are listed in the table below. It should be noted that both the development scenarios and the costs are cumulative, i.e. the total cost of construction for the system described in scenario 1B includes the cost of scenario 1A. In the same way the cost of construction for the system described in scenario 2 includes the cost of scenario 1B, which again includes scenario 1A.

	Construction costs estimate for each scenario						
Scenario Plant Network HIU *) Total							
	(\$) (\$) (\$) (\$)						
1A	1,300,000	1,943,000	681,000	3,924,000			
1B	1,500,000	4,332,000	1,308,000	7,140,000			
2 1,800,000 9,220,000 2,144,000 13,164,000							

HIU = The Hydraulic Interface Unit or consumer's heat exchanger unit

When looking at the results of the calculations, the most interesting figure is probably the heat price that customers will have to pay, if they connect to the district heating system.

The price is in dollars per million Btu (\$/MMBtu), and in the following table it has been calculated for the three scenarios used in the study. It should be observed that the price in Scenario 1A is the lower and that the price in Scenario 2 is the higher with Scenario 1B in between. The reason is that it takes a shorter network to supply heat to the buildings closest to the boiler plant and the investment in the network is therefore lower. The consequence is a lower heat price.

Another feature of the table is the payback time and the table shows the results for three different periods: 10, 15 and 20 years. The payback period is interesting because a large part of the heat price is used to pay back the investment in the network and in the heat production facilities. With a shorter payback period, the heat price will become higher.

Heat price to be paid by customers connected to district heating						
Scenario	10 years	15 years	20 years			
	payback	payback	payback			
	(\$/MMBtu)	(\$/MMBtu)	(\$/MMBtu)			
1A	32	26	23			
1B	33	27	24			
2	39	31	27			

The heat price should be compared with the price paid by residents with individual oil-fired boilers. With a retail oil price of \$ 4.00 per gallon and a boiler efficiency of 85%, the comparable price of heat based on oil is \$ 39 per MMBtu. For a less efficient oil-fired boiler the price would be higher.

In other terms, with a payback period of 10 years and a development of the district heating network following Scenario 2 (which represents the full build out within the area identified for district heating), the price of heat from the district heating system is the same (39 \$/MMBtu) as the price paid when heating with oil. If the payback period is 20 years instead, the heat from district heating is 27 \$/MMBtu or 31% lower than heating with oil.

If we look at Scenario 1A, the same numbers are 32 \$/MMBtu or 18% lower for 10 years payback and 23 \$/MMBtu or 41% lower for 20 years payback.

The results of this study will quite naturally be influenced by changes in fuel prices and the uncertainty in the construction costs estimates. It is therefore important that any work based on these results takes a critical view on current developments within both the oil price and the price of wood chip. Also a review of the estimated construction costs should be included in any further work

The report concludes with a recommendation that the study is followed by a more detailed investigation in the heat production facility options and the network itself. In particular the cost estimates are based on assumptions, which have to be verified. It is also important that a business plan for the enterprise (or enterprises) is developed and anchored within the community.

1. Introduction

In January 2008 the North Country Resource Conservation & Development Area Inc. (NCRC&D) entered into an agreement with Horizons Engineering L.L.C. in partnership with Ramboll Denmark A/S (Ramboll) to carry out a feasibility study of a district heating network to supply heat to a number of residential, private and public buildings in the Village of Groveton, New Hampshire.

The purpose of the study was to evaluate the technical and commercial aspects of such a project. Also the study was to look at the requirements to develop a scheme and to focus on an overall master plan and strategy for the Village of Groveton with respect to the implementation of a heating network.

Horizons Engineering and Ramboll has teamed up to combine Horizon's local knowledge of Groveton with Ramboll's international expertise and experience with district heating systems.

This report presents the result of the feasibility study.

2. Background to the study

2.1 General background

The majority of the buildings in Groveton are heated with oil. Increasing oil and gas prices, not least over the latest 12-18 months, have led to increasing heating costs and there is currently no real alternative available to the residents of Groveton, who have to rely on individual oil or propane fired boilers.

NCRC&D's role has been to administer the development of a Preliminary Feasibility Analysis which would define "the benefits, costs and other information for the installation of a steam and hot water system within the Village of Groveton, NH". NCRC&D has organized an Advisory Committee that together with NCRC&D has overseen the study.

An important objective of such a heating network is to reduce the heating costs for residents, churches, commercial and municipal buildings and to maximize energy efficiencies. The project should also seek to support growth of new business and industry in Groveton. The use of local, renewable energy supplies, such as biomass, is an additional objective.

2.2 Project considerations

A number of options emerge when these objectives of a heating network project or district heating project are considered. We therefore outline some of the principles that we have followed in this study.

First we think it important to avoid advanced technologies at this stage of the project. Simple or proven technologies are cheaper to install, they carry less risk in terms of operation and maintenance and once the project is running and creating revenue, there will be a more solid base for further investments. For the same reason we have not included co-generation (combined production of heat and electrical power or CHP) in the calculations. It will add an economic risk to the project, which is not acceptable before the heating network is developed and the necessary number of heat customers connected.

The second principle is to avoid overspending on the network and therefore a phasing of the build-out is part of the suggested approach. District heating networks require considerable investments and it is necessary to optimize dimensions both in the initial situation and with a view to future proofing. The crucial part of the establishing of a district heating system is to ensure that enough customers connect at an early stage. If we look at the entire district heating system, the cost of the network is likely to be 60 - 70 % or more of the total cost.

The NCRC&D Request for Qualifications mentions a steam system. In this study we have not taken this option any further because there is no recognized steam demand in the Village of Groveton. A future industrial facility at the Wausau Papers property might turn out to require steam but that would be have to be considered, whenever the demand should arise.

For the assessments made in this study Groveton has been divided into three main areas:

Area 1 is the central part of Groveton. This is the most interesting area in terms of connection to a district heating network due to the relatively high density of buildings.

Area 2 is the part of Groveton that is north of the St. Lawrence and Atlantic Railroad. This area has a lower building density and consequently must have a lower priority with regard to a DH connection.

Area 3 is the row of buildings on the southeast bank of the Upper Ammonoosuc River. We have given this area the lowest priority with regard to a DH connection due to the low density and the limited number of buildings combined with the relatively remote location.

The areas are shown on the aerial photo in Appendix 1.

From our experience with other DH projects and to limit the number of scenarios we have chosen to confine our model for the network to Area 1 and Area 2. Area 1 will be subject to a more detailed analysis while the assessment for Area 2 is carried out using key numbers obtained in the study of Area 1. At this stage a connection of Area 3 is not considered viable for the above reasons.

The outline of the district heating network in this report has an optimum combination of pipe diameters, which have been calculated using the SYSTEM RORNET (SR) software package. The program was developed by Ramboll's district heating department and is one of the standard tools used today for design and analysis of district heating networks, not only with Ramboll but also with a few other consultants and a number of district heating utilities.

In accordance with the Scope of Services provided in the contract between NCRC&D and Horizons Engineering the study does not describe the provision of heat for the district heating network. Assumptions have been made with regard to the location of the heat source and the fuel in order to assess the economy of the project. A broader introduction to various heat production technologies and a discussion of the need for back up production capacity follows in a separate section of this report, which also discusses the potential need for thermal storage.

2.3 Public meeting

Horizons Engineering and Ramboll attended a public meeting in the Village of Groveton on January 22nd 2008, arranged by NCRC&D and hosted by GREAT (Groveton Regional Economic Action Team). The format for the meeting included an introduction to the project by Horizons Engineering and Ramboll and questions and comments were registered.

Additional meetings have not been included in the scope of the study, but Horizons Engineering is prepared to meet with the Advisory Committee to present the results of the study and to discuss our findings and recommendations.

3. Technical study

The most difficult and time consuming part of the study has been to obtain precise heating data for the buildings in Groveton. Tax mapping, aerial photographs and information about location, occupancy type, building square footage, heating type and fuel type have been made available. In order to determine the heat loads this information has had to be supplemented with a digital map connecting the data to the geographical location of each address.

To establish a heat consumption profile for the buildings, the annual fuel consumption of a number of buildings has been investigated to more closely estimate usage.

The technical part of the study has looked at the existing heating of the Village of Groveton and the options for the future. It focuses on the principles of identifying heat loads through heat planning or phasing in order to facilitate the viable introduction of heat supply from a potential new heat source.

3.1 Heat demand and diversity

It has been assumed that the district heating supply will cover both the heating of the buildings and the domestic hot water (DHW) demand. The heat demand of the buildings will depend on the heat loss of the building and to some extent of the type of occupancy.

The provision of DHW, instantaneous or via individual storage cylinders, is important in determining the load. The advantage of DHW via a storage cylinder is that the peak load capacity demand from the buildings is reduced considerably which results in smaller pipe dimensions of the DH system compared to a system based on instantaneous DHW via a heat exchanger. The disadvantage is that the hot water cylinder will take up a little more space. Instantaneous DHW will have a higher demand and subsequently it can generally be assumed that the size (diameters) of the network will increase.

As the peak load consumption will not occur simultaneously for all buildings in an area the flow in the various pipes should be multiplied by a diversity factor. The heat demand and the diversity will depend on individual usage, which means that non residential usage will have a different profile than that of residential. The individual use of DHW will also vary between residential buildings and it is unlikely that every-one within a larger area will need their maximum demand at the same time.

The diversity is assessed for individual schemes based on experience and may vary depending on the combination of residential and non-residential buildings together with their usage, i.e. domestic, retail, offices, industry, etc.

If we should look to Denmark, we would use a factor for simultaneous use of both heating and DHW, but it can also be split with one diversity factor applied for space heating and one for DHW. In the case of Groveton we have chosen the Danish model.

3.2 Calculating the heat load

The heat load or the peak heat demand for each individual house should be calculated based on the annual heat demand of that particular house. The annual heat demands are transformed to heat loads by introducing an annual utilization time.

For the purpose of this study it was decided to select ten random houses in Area 1 and the owners were contacted and asked to provide data on their annual fuel consumption, which was then used to calculate their annual heat demand. The results were used to obtain a benchmark heat load that was applied to all houses in Area 1 and 2. A table containing data for the ten houses is found in Appendix 2.

In rounded figures the data yield an annual average area specific heat consumption of 70 MBtu/sf corresponding to an average area specific heat load of 39 Btu/sf per hour when applying an oil burner efficiency of 85%. The format of the data means that it is not practical to enclose the energy demand in a separate report but the baseline information that the calculations have been based on is included in the Appendices 2 and 7.

For this assessment an annual utilization time of 1,800 hours has been used. The number is based on experience from projects in Denmark with a view to the recorded outdoor temperature variation in New Hampshire.

3.3 Calculating the diversity factor

For this particular scheme an automatic calculation of diversity factors has been found suitable. An algorithm within the SYSTEM RORNET program package assigns a diversity factor to each pipe section in the DH system for the purpose of minimizing pipe diameters and thus the cost of the system.

3.4 Heat production

For this study the assumed point of delivery of heat is located at the Wausau Papers property or in the immediate neighborhood of this complex. The exact location is not important at this stage of an evaluation but both from the mapping of the heat loads and from the site visit to Groveton in January it seems obvious that a heat plant should be located close to this area to minimize the costs of the district heating network. It will also mean that a development of the network in two or more phases will pick up the largest loads in the first phase.

No alternative heat sources have been identified which could supply heat to the project. The Scope of Services provided in the contract mentions the Tamarack Biomass Facility (or Groveton Renewable Energy Park) but because of the uncertainties surrounding this project we have not found it possible to give it more consideration at this stage.

3.5 Technical network design

3.5.1 Characteristics of modern district heating systems

District heating is a method of delivering heat from a variety of heat producing sources to a variety of heat customers. Heat produced from fossil fuel sources such as natural gas, oil burned directly in boilers or through combined heat and power (CHP) and also renewable energy can be delivered to residential buildings, commercial & public offices, schools, warehouse and factory, hospitals plus light industrial process heating.

There is a long tradition of district heating in US cities going back to the 19th century but most of these systems were steam systems and most of them no longer exist. The steam system of Manhattan in New York City is one of the relatively few larger systems remaining. Closer to Groveton, the Concord Steam Co. provides heat to buildings in the downtown Concord area.

The majority of modern district heating systems are hot water systems, as steam systems in comparison are typically not as efficient and both the initial investment in

the network and the operation and maintenance costs are considerably higher. Hot water district heating systems are normally constructed using pre-insulated pipes and supply temperatures are most often in the range of 170 - 230 ^OF with a maximum operation pressure of up to 230 psi in a distribution system.

3.5.2 District heating network conditions

The design of the heat network that would supply heat to connected buildings within an area is critical, as it represents both a significant capital investment and ongoing operational costs. Buildings to interface with the primary heat network, and in some cases specifications for individual residential consumer units and heat metering, also require attention in order to ensure future proofing and to build the confidence of property developers and residents.

The cost of installing the heating network depends largely on four factors:

- The design operating temperature and pressure
- The complexity of services
- The length of the network
- The peak heat demand

A district heating system can theoretically be split into three levels:

- Branches and connections to supply buildings
- Distribution heat network
- Transmission heat network

Transmission and distribution are primary and secondary networks respectively, normally separated by heat exchangers. The temperatures and pressure required to transport the heat energy are higher in a transmission system than in a distribution system. A DH system of the scale necessary in Groveton does not require a transmission network.

It is important to the cost of the scheme as a whole, in relation to both installation and operational costs that the network is fully optimized. This includes not only the pipe dimensions but also the temperature and pressure levels, the routing of the pipes and the operation strategy for the whole system.

Another issue of importance to the operation and maintenance of the system, although not directly connected to optimization, is the quality of the water in the system. One of the main reasons for system failures in the past has been poor water quality.

3.5.3 Interface of consumers to the district heating network

The heating system is assumed to be a central heating system for all houses and buildings with good individual controls and heat metering.

The individual houses and buildings heating systems can be either directly or indirectly connected to the district heating network.

In the direct connection there is no physical barrier between the DH water and the water of the building's central heating system. This could be an issue concerning safety and quality of the district heating water.

Generally we would therefore recommend indirect connection for reasons of security and quality of the district heating water.

In the case of Groveton it is assumed that there is to be a heat exchanger (or hydraulic interface unit) for the connection to the heat network. It is also assumed that the advantages of having domestic hot water (DHW) supplied via a storage cylinder are greater than the disadvantages.

3.6 Groveton District Heating Network

3.6.1 Groveton site visit

In connection with the public meeting in January 2008, Ramboll spent time in Groveton looking at potential pipe routes and the possible location of the heat production plant. The visit also gave the opportunity for Ramboll to get a better impression of the density of the buildings and the condition of the roads.

The general impression is that there will only be few problems with other services and that the relocation of other pipes and cables can largely be avoided.

Horizons Engineering has experience from excavations in Groveton and Area 1 should not hold many obstacles in terms of other pipes or soil conditions. Area 2 may be more difficult because of some evidence of bedrock in the area. This is not expected to be a significant problem because much of the rock within the roads has been removed previously for the installation of water and sewer and the proposed heating network would generally be installed at shallower depth (approximately 30 inches cover).

3.6.2 General preconditions

The general preconditions assumed for each of the identified areas of Groveton have been used in the modeling of the district heating network. The cost estimates have been established as described in section 5.2 and they are included in the tables below for reference.

Area 1

Two DH networks have been modeled. The first model (Model 1A) is geographically limited to consumers in close vicinity to the suggested site of the energy center (the point of heat delivery) but the pipe dimensions have been chosen to supply all of Area 1 in terms of capacity. The second model (Model 1B) covers geographically practically all of Area 1, including the consumers supplied in model 1A. Model 1A may therefore be considered the first stage in converting all of Area 1 to district heating.

Model 1A

An outline of the network can be found in Appendix 3. The energy center is located next to the Wausau Papers property as initially suggested. The network covers Mechanic Street, State Street, Preble Street, Church Street and most houses on Main Street. Service pipes for each individual house are included.

Table 1 summarizes the results of the dimensioning, incl. trench lengths and costs.

D 1	T 1	0 10	T · ·
Dimension	Trench	Specific	Total
	length	costs	costs
	ft	\$/ft	'000\$
DN20	0	0	0
DN25	2,913	150	438
DN50	2,538	182	461
DN80	952	223	212
DN100	246	258	64
DN125	525	305	160
DN150	778	315	245
Total	7,952	199	1.580
Contingenc Managemei Total netwo	237 126 1,943		

Table 1 – Dimensions and construction costs of the network of Model 1A

Model 1B

An outline of the network is found in Appendix 4. From the energy center branches on both sides of the main pipeline going down Mechanic Street form a network supplying heat to virtually all of Area 1 while keeping pipe dimensions in the part of the network obtained in Model 1A unchanged.

Except from the area covered by the more detailed Model 1A, nodes distributed along the network indicate groups of customers. The result is that all customers are accounted for in terms of heat supply when dimensioning the distribution network but individual service pipes have been ignored in the hydraulic model. The estimated cost of the network is based on the pipe lengths of the model, adjusted to accommodate the service pipes in the part of Area 1, which is outside the area covered by Model 1A.

Appendix 5 shows a plot of the network containing information about pipe diameters.

Table 2 summarizes the result of the dimensioning:

Dimension	Trench	Specific	Total
	length	costs	costs
	ft	\$/ft	'000\$
Service lines *)	5,004	139	695
DN25	3,842	150	577
DN50	7,433	182	1.350
DN80	1,932	223	430
DN100	246	258	64
DN125	525	305	160
DN150	778	315	245
Total	19,760	178	3.522
Contingency Management, engineering Total network project costs		15%	528 282 4,332

Table 2 – Dimensions and construction costs of the network of Model 1B

*) Service lines in Area 1, outside area covered by Model 1A

Area 2

For this preliminary study the SYSTEM RORNET model itself has not been expanded to include Area 2. Instead, key figures obtained in Models 1A and 1B are used to evaluate the extra necessary heat production and the additional cost of extending the Groveton DH network to this area.

Appendix 6 shows an outline of the network.

The cost of the network to supply Area 2 is roughly estimated as the cost to cover the same heat load in Area 1 excluding the dense area of Model 1A. In addition 25% has been added to cover rock excavation. Although the network and the associated costs are not based on a separate hydraulic calculation, the fully developed network covering both Area 1 and Area 2 is referred to as Model 2.

Table 3 – Comparison of the network costs of Model 1A, Model 1B and Model 2

	Unit	Model 1A	Model 1B	Model 2
Total costs	'000\$	1.943	4.332	9.220
Trench length	ft	7.952	19.760	38.814
Specific costs	\$/ft	244	219	238

Internal network – Building heating systems

The internal networks for distribution of heat to radiators or floor heating systems within each individual house are not considered at this early stage of the project.

Hydraulic Interface Units/Customers' Heat Exchanger Units

It is assumed that each house will be connected to the network through a hydraulic interface unit in the building. It consists of a heat exchanger for the in-house space heating installation and a heat exchanger with a water tank for domestic hot water production. This interface connection is named the consumer's heat exchanger unit or Hydraulic Interface Unit, abbreviated HIU. The same assumption applies to the larger non-residential connections. The cost estimates related to the customer connections are summarized under the financial appraisal.

4. Review of available heat production technologies

4.1 Introduction

A district heating system is characterized by a central production of heat and the distribution of this heat via a hot water piping network as mentioned earlier in this report.

Ramboll's experience from Denmark is that district heating offers many environmental, social and in a longer perspective also economic benefits to a community. Around 60% of all households in Denmark are connected to a heat network with three-quarters of that heat supplied as waste heat from CHP plants, some of which are biomass fuelled but with most of the production currently based on coal or gas. Further 12% comes from waste incineration, 6% is biomass burned in boilers and 3% is industrial waste heat. Only the remaining 4% is natural gas or oil used in heat-only back up boilers during peak demand or to provide spare capacity in case of emergency or maintenance.

The district heating infrastructure optimizes the use of energy sources whether based on fossil fuels or renewables. It creates an opportunity to utilize a range of fuels and "free" energy inputs.

Although this study is not meant to address the provision of heat for the district heating network, one of the RFQ objectives is the use of local, renewable energy supplies, such as biomass. In the following we briefly outline the available technologies for heat production in general for a district heating scheme, some of which are more likely than others to be of relevance to a scheme in Groveton but nevertheless useful to get a better understanding of the options available.

4.2 Combined heat and power production (CHP) versus heat only As mentioned in Section 2 a CHP option has not been included in the calculations. The main reason is that CHP will add to the economic risk of the project and the initial investment will be considerably higher.

Generally speaking the specific heat demand and consequently the size of a CHP plant together with the electricity sales price will be decisive when choosing between a CHP and a heat producing unit. CHP plants are considerable more expensive than boilers producing the same amount of heat. For small-scale biomass plants especially, the market price for electricity is not thought to be sufficient to cover the extra initial costs. Within the scope of this study it is not possible to say where the split might be in New Hampshire as it will depend on a range of parameters, not only related to the local technical and economic conditions but also future legislation including taxes, incentive mechanisms, grants, emission trading schemes, etc.

In terms of the benefits to the residents of the Village of Groveton it is not thought that a CHP-based heat production will carry any advantages over a heat-only production. A heat plant is simpler to establish both technically and financially and the operation will be easier to organize locally.

Although a CHP plant is not recommended for the first phases of a district heating network in Groveton, it may be considered at a later stage. Therefore this review refers to some issues surrounding heat from CHP.

4.3 Wood as the future fuel

The availability of wood locally in New Hampshire makes wood chips or waste wood from forestry or local industrial activities an obvious choice in the Village of Groveton. It is a renewable, sustainable fuel base which can be supported by appropriate forestry practices.

When considering wood as a fuel there are a number of issues that should be considered. When comparing with oil or propane, the use of wood in a central boiler plant would call for a closer look at the following issues:

- The moisture content of the fuel
- Flue gasses
- Fly ash, bottom ash
- Condensate water
- Size constraints
- Noise
- Fuel treatment and feed-in system
- Fuel storage.

District heating boiler plants designed for wood chips vary from similar units based on wood pellets, as the fuels need to be handled differently. Basically both pellets and chips are made of wood but they vary in size, density, water contents etc. Wood chips are typically made of fresh wood and have a relatively high moisture content compared to wood pellets. Accordingly wood chips can cause increased corrosion and deterioration of the boiler.

Wood pellets are typically made of wood-waste, e.g. from industrial processes. The quality of the pellets may vary and can cause some problems during incineration. For instance the content of problematic substances such as glue from a manufacturing process could cause some serious technical and environmental impacts.

Accordingly the quality of the fuels is crucial for the maintenance level and durability of the heat producing unit. A guarantee for the quality should be applied of the supplier in all cases.

Grate combustion is the traditional technology used for burning both wood pellets and wood chips. Grates are still widely used in small scale plants. Grates are less tolerant of variants in fuel quality than for instance boilers based on fluidized bed technology but they have been able to compete with modern combustion technologies due to a comprehensive technological development. Hence, improved grate firing technologies have made it possible to burn fuels with relatively high water content such as certain wood chips. Both technologies would be suitable for CHP production as well.

Again it should be noted that heat producing boilers based on wood chips typically create higher demands for maintenance and reduce durability of the equipment due to the higher water content of the chips. On the other hand wood chips are considerably cheaper than wood pellets and currently more readily available in New Hampshire.

Considering the lifetime economics of the plant and the existing technological level, a wood chip fired boiler with a grate is the most favorable option. There may be a higher rate of corrosion of the boiler, depending on the water content of the fuel but the quality of the fuel is generally more stable and the combustion is easier to control.

In a fuel market with an increasing interest in biofuels it may also be advantageous to rely on a fuel that requires less processing and therefore should be available in larger quantities and at a more stable price.

For the purpose of this study wood chip has been assumed as the fuel. However, the final conclusion concerning the choice between wood pellets and chips should be based on an updated analysis, once it has been decided that the project should go ahead.

Also it has to be mentioned that although the potential for supplying biomass exists within New Hampshire and other northeastern states, a future global demand for biomass could lead to an increase in prices.

4.4 Alternative heat production technologies

Wood or other biomass fuels could be used in other processes such as gasification, which theoretically could be of interest if CHP was considered. Again we would like to recommend the use of more conventional technologies until the project has proven itself viable.

The advantage of a district heating system is the flexibility and the ability to utilize a variety of heat sources, including what can be called low-grade heat.

One example is the use of solar thermal energy. There are a number of examples in Europe where large-scale solar thermal arrays have been integrated with district heating networks as district heating schemes offer maximum energy utilization from solar thermal as a heat sink for the low temperature water. The largest system in Denmark is connected to the district heating network in a small town, covering 30% of the annual heat demand of 1,200 single-family houses, a few public buildings, a school and a hotel.

Another more distant example of a future energy supply could be the use of fuel cells, which technically would be quite easy to adopt in a district heating system but which are at a stage in their development where cost barriers are too significant for the technology to be a realistic option in a project like the one in Groveton.

4.5 Thermal storage

A thermal store is not a heat production facility in itself but it is a means which can help to ensure a more efficient and cost effective scheme overall, especially in combination with CHP and in some cases with biomass heat only technology.

A thermal store makes it possible to create a time delay between heat consumption and heat production.

The purpose of such time delay is mainly of economic nature and is related to the fact that the cost of heat production may vary with time. By introducing a thermal store in the district heating system it is possible to produce heat at a time when the heat production price is low and then utilize this low cost heat at a time when the production cost for the heat would be high.

The implementation of a thermal store is normally associated with systems supplied from a CHP plant, because the heat production cost here is not only related to the fuel cost but also to the selling price of electricity. When electricity prices are low there could be an advantage in reducing the electricity production and at the same time produce and store heat. When electricity prices are high, production can then be changed in direction of a higher proportion of electricity, taking the required heat for the district heating network from the heat store. When looking at district heating networks supplied from a plant fired with wood chip, a thermal store can add stability to the operation of the network by leveling or absorbing variations in the output from the plant due to the fuel. If a solar thermal array is established at a later date, a thermal store is mandatory to secure the collection of the heat.

Some schemes in Denmark have their thermal store size based on the weekend demand and switch the production plant off during weekends. This may be done to avoid fuel delivery during weekends if the plant is fueled by for instance wood chip.

4.6 Back up boiler capacity

As stated in section 3.4 the study has not identified alternative heat sources and the district heating project is assumed to be supplied from a central wood chips fuelled heat plant close to or at the Wausau Papers property.

With the proposed district heating network layout there is no reason to introduce back up boilers at any other location than at the central point of heat delivery. There will have to be some back up capacity, preferably an oil-fired boiler but in order to optimize the operation of the system it should be placed at the same location as the biomass boiler.

It should be noted that the oil consumption of a back up boiler will be very small as the boiler will only be operating during peak heat demand.

In an optimized system the use of backup boilers could typically be limited to 100-200 hours or less, depending on weather conditions and the requirements for maintenance. As the boiler is only intended to cover the peak, which is not covered by the base load wood chip boiler, the amount of energy supplied from the oil fired boiler could be less than 2 % of the total heat production.

5. Financial appraisal

In Appendix 8 a financial spreadsheet model for the three scenarios 1A, 1B and 2 is provided. To calculate economic and financial key parameters the Net Present Value (NPV) method has been used with 3% discount rate, initial investments made in 2008 and an operation period of 20 years from year 2009 to year 2028.

5.1 Scenarios

The three scenarios of the financial appraisal are based on the three network models to supply Area 1 and Area 2. Thus, at full development of each scenario district heating system will cover a part of the town's heat demand as shown in Table 4. When both areas are connected (Scenario 2), about half of the heat demand in Groveton is covered by district heating.

Model/	Customers at fully developed DH					
scenario	Number of	Floor area	Avg. size	Net demand		
	buildings	sf	sf/bldg	MMBtu/yr		
1A	81	344,168	4,249	24,002		
1B	220	568,888	2,586	39,674		
2	427	839,393	1,966	58,539		

Table 4 – Connected consumers to district heating when the system is fully developed

The calculations are based on the costs listed in Section 3.6 and summarized below.

The pay-back period for all investments is 10 years. Variants of 15 and 20 years' payback have also been made to evaluate the financial consequences.

Only one model for the district heating heat production has been considered as described in the previous sections, i.e. a biomass boiler that can be fueled with assorted medium wet wood waste with the shape of wood chips or the like, and a gas oil boiler with 100% backup capacity for supporting at peak load and as a reserve. The overall assumed design parameters for the parameters of the district heating system for the three scenarios are shown in Table 5.

Table 5 – Overall design parameters of the district heating systems for the three scenarios

Scenario	At fully	developed I	DH system	Boiler plant	Network
	Net	Heat los-	Gross	capacity *)	length
	MMBtu/yr	ses %	MMBtu/yr	MMBtu/h	ft
1A	24,002	8%	26,001	5 x5	7,952
1B	39,674	10%	44,094	8.5x8.5	19,760
2	58,539	15%	68,850	13.6x13.6	38,814

*) Design capacity of the biomass boiler plus 100% oil boiler backup

5.2 Summary of estimated costs

A rough estimate of the construction costs of each scenario are shown in Table 6.

Table 6 –	Rough estimate of the total project costs of each sce	nario
	Rough estimate of the total project costs of each see	nano

Scenario	Plant	Network	HIU *)	Total	Specific
	'000\$	'000\$	'000\$	'000\$	\$/sf
1A	1,300	1,943	681	3,924	11
1B	1,500	4,332	1,308	7,140	13
2	1,800	9,220	2,144	13,164	16

HIU = The Hydraulic Interface Unit or consumer's heat exchanger unit

The cost of the network has been estimated based on the information available, including the experience of Horizons Engineering from the installation of water pipes and sewers in Groveton. The various estimates cover the assumed capital cost of the main heat network, a wood chips fueled heat plant and interface connections in the building connecting to the network (i.e. the consumer's heat unit or Hydraulic Interface Unit abbreviated HIU).

The assumed technical lifetime is as follows: Boiler plant: 20 years, distribution network: 40 years and HIU: 20 years.

All estimates are conceptual, partly based on Ramboll's experience from European district heating schemes. They have been checked with our US network contacts and adjusted to the conditions in the US. Generally the estimates are thought to be conservative.

There are a number of uncertainties related to the fact that modern US district heating systems based on hot water and constructed with preinsulated pipes are very few. Also the actual costs will depend on the chosen design parameters, as stated in Section 9 on study sensitivity.

The basic scenario is an unchanged heating system with mainly oil use in individual boilers. Miscellaneous required reinvestments in the existing boilers during the period until year 2028 have not been taken into account in the financial appraisal.

5.3 Further assumptions

The financial calculations are based on the following assumptions:

- All costs are expressed in 2008 dollars, and all future costs are assumed constant in fixed prices (i.e. exclusive the inflation rate), except for fuels, that are assumed having an annual real price increase of 2% during the 20 years' operation time period.
- The interest rate for debt is generally assumed to be 4% in fixed prices. With an inflation rate of around 2-3% the nominal interest rate will be 6-7%.
- As biomass fuel source is assumed assorted medium wet wood waste with a heat value around 8 MMBtu per ton. The wood boiler efficiency is assumed to be 94%. As the water content of the wood is expected to be rather high, installation of flue gas condenser to increase the boiler efficiency might be beneficial but has not been included in the present study.
- Stockpiling of the prepared wood waste under roof and protected from rain or snow is assumed. Acquisition of a wood chipper might be required to ho-

mogenize the wood waste in order to make it more suitable for the heat production plant but this has not been included in the costs.

- Collection, preparation and storage of the wood waste is assumed to cost \$40/ton (2008 dollars) with an real price increase of 2% p.a. The light fuel oil is assumed to cost \$4 per gallon (2008 dollars) with real price increase of 2% p.a. The current development in prices suggests that this is likely to be quite conservative.
- 90% of the potential customers with a hot water heat system are assumed connected to the DH the first year. Within the next 6 years the rest of the customers with a hot water heat system will be connected as well as the customers with other types of in-house heating systems.
- The estimated operation and maintenance costs are shown in Table 7:

O&M cost factors	Fixed	Variable
	'000\$/yr	\$/MMBtu
District heating system Company administration Waste wood boiler Backup oil boiler Distribution network HIU (at the customers)	40 10	0.60 0.30 0.90
Individual oil boiler		3.00

Table 7 – Specific average operation and maintenance costs (2008 dollars)

5.4 Results

Table 8 and Table 9 present the findings of the calculations in a single key figure, namely the heat price that the district heating company will ask from the customers. The results are shown in more detail in the financial spreadsheet model in Appendix 8 and in the charts in Appendix 9.

Many district heating companies leave it to their customers to invest in a hydraulic interface unit (HIU) and Table 8 shows the district heating company's heat sales price to the customers without this investment. Therefore an additional investment has to be made in a HIU of typically \$3-4,000 for a single-family house.

So the heat sale prices in table 8 are for heat delivered at the connection to the customer's building, assuming a pay-back period for all investments of 10, 15 or 20 years. The customer will cover the expenses to replace the existing boiler with a HIU for district heating.

Scenario	10 years	15 years	20 years
	payback	payback	payback
	\$/MMBtu	\$/MMBtu	\$/MMBtu
1A	28	23	21
1B	29	24	22
2	35	28	25

Table 8 – District heating sales price to customers (2008 dollars), **exclusive** of the investments in the customers' heat unit

Alternatively the district heating company could include the customers' new heat units in the project and increase the heat sales price accordingly. This is thought to be a more obvious arrangement in Groveton. Table 9 shows that the consequences will be an increase of the heat price of \$2-4/MMBtu depending on the payback period. It should be observed that the details in Appendix 8 and 9 are based on a costs estimate where the heat units are paid for by the customers and they are therefore not included in the investments of the district heating company.

Table 9 – District heating sales price to customers (2008 dollars), **inclusive** of the investments in the customers' heat units

Scenario	10 years	15 years	20 years	
	payback	payback	payback	
	\$/MMBtu	\$/MMBtu	\$/MMBtu	
1A	32	26	23	
1B	33	27	24	
2	39	31	27	

For comparison, a fuel price for the existing individual oil boilers of \$4 per gallon is equal to a heat price of approximately \$36 per MMBtu at a boiler efficiency of 85%. Operation and maintenance costs of approximately \$3 per MMBtu have to be added, resulting in a total heat price of \$39 per MMBtu for houses with individual oil-fired boilers.

It should be noted that only the expenses to replace the customers' heat units have been taken into account in table 9. Other in-house investments might be required in some buildings to ensure that the heat supply works properly.

To ensure stable finances of the district heating company and a fair distribution of the costs among the customers, it is essential that the district heating sales price - as shown in table 8 and 9 - is transformed into appropriate tariffs. It is recom-

mended to divide them into a fixed and a variable part. Thus a customer is paying a fixed monthly payment based on a fixed tariff, and a payment that depends on either the measured heat consumption (by a heat meter) or the measured hot water delivered (by a flow meter). If the district heating company includes the customer's new heat exchanger unit in the overall project, the customer could repay the investment over a couple of years as a part of the fixed monthly payment.

6. Environmental impact

The environmental impact expressed in emitted CO_2 , CH_4 , N_2O , SO_2 and NO_X are based on the assumed standard flue gas emission factors as shown in Table 10. The emissions of CO_2 , CH_4 and N_2O have been converted to CO_2 equivalents, weighed for their global warming potential, where CH_4 is a 21 times more powerful greenhouse gas than CO_2 and N_2O is 310 times more powerful (ref. IPCC Second Assessment Report).

Unit:	Waste	Backup	Individual boilers/furnaces		
lb/MMBtu	wood	gas oil	Oil	Gas	50/50
	plant	boiler	boiler	Boiler	coal+wood
CO_2 eq.	4	174	174	134	119
SO ₂	0.058	0.053	0.053	0.000	0.821
NO _X	0.209	0.151	0.174	0.070	0.465

Table 10 – Assumed standard flue gas emission factors

The environmental impact in terms of savings in CO_2 equivalents, SO_2 and NO_X are listed for the three scenarios along with the results of the calculations in Appendix 8 and summarized in Table 11 below.

The table shows considerable savings of CO_2 equivalents as combustion wood is regarded as almost CO_2 neutral. Emissions of SO_2 are slightly lowered while emissions of NO_x are slightly increased, here expressed as negative savings.

Scenario	CO ₂ eq.		SO ₂		NO _X	
	'000t	% saved	'000lb	% saved	'000lb	% saved
1A	43	18% 29%	0.9	0%	-16	-3% -5%
1B 2	71 104	29% 42%	6.5 7.1	2% 2%	-28 -57	-5% - 9 %

Table 11 - Savings of flue gas emissions over the 20 years' plan period

7. Planning issues

The Scope of Services provided in the contract calls for a review concerning the planning and phasing of the network, including options for addressing other infrastructure needs related to water, sewer, drainage and road improvements.

The phasing and its consequences have been dealt with above and is further described under Horizons Engineering and Ramboll's thoughts about the way forward in Section 10 of this report.

The question of the possible advantages of coordinating work on existing utilities and roads with the construction of a heating network is not necessarily easy to answer. Although there may theoretically be an economic benefit from such a coordination it is Ramboll's experience that the real benefit lies in the general attention brought about by the project.

The general conditions of Groveton and the space available in roads etc. do not give reason for concern about the possible disruption of other services during the implementation of the district heating network. That being said, there is some merit in considering the replacement of aged existing infrastructure during construction of a district heating system. Many of the existing water mains and appurtenances, storm drainage, and sanitary sewers in the project area date back to the early 20th century and are in fair to poor condition. While serviceable, the installation of district heating atop this old infrastructure would make future repair and/or replacement more difficult. If the old utilities are replaced as part of an overall district heating network and will help preclude future construction conflicts. Replacement of these utilities will also improve water and wastewater service, reduce maintenance costs, and result in better quality roads and drainage.

In 2004/2005 the Town of Northumberland completed a comprehensive water, wastewater, and drainage project on the west side of Area 2 (the "Hill" area of town). Improvements to the east side of Area 2 were designed but not constructed due to lack of funding. The estimated cost for completion of this work is estimated at \$3,000,000.

Design of existing utility replacement has not been completed for the other areas of town (Area 1 and Area 3) where district heating is contemplated. As a result, construction costs have not been estimated. We can, based on past experience and recent construction pricing, estimate the cost for utility replacement based on a linear yard basis. Assuming the work would include the replacement of water main, valves, hydrants, and services, gravity sewer, manholes, sewer services, storm drainage, catch basins, drain manholes, and new pavement (curb to curb), the estimated cost for utility replacement is \$1,000 per linear yard.

8. Development strategies

8.1 New business development

The project for a district heating network in the Village of Groveton should be regarded as a new service and an opportunity for a reliable and economically viable heat supply for Groveton's residents and private and public enterprises in its own right. With the current business situation in Groveton it is natural to look for ways of attracting new business development but whether the proposed project will make a real difference is unknown.

It should be noted that the introduction of district heating may generally be regarded as an upgrade of the infrastructure in the cities, towns and villages, where it is introduced and in some places it is expanding rapidly.

It is therefore possible that a development in Groveton at a later stage may take advantage of a biomass based energy production, which can be expanded to include other services. Any existing or potential business that can benefit and gain a competitive advantage through the availability of low cost heat (and/or hot water) would find Groveton a more attractive location to operate. Businesses such as greenhouses, kilns, large heated warehouse or manufacturing facilities are possibilities. Whether provisions for district heating would represent a large enough incentive to attract new business could only be determined as part of a detailed business plan analysis. It should be observed that new businesses connecting to the network would also lead to a call for an increased production capacity.

8.2 Funding

The financial appraisal shows that each of the scenarios could be commercially viable, depending on proofing of the cost estimates and further evaluation of unknowns and assumptions. In terms of funding it is therefore not necessarily a question of meeting the overall capital investment but more likely to be an issue of supporting the NCRCD initiative in the early stages.

Horizons Engineering and Ramboll have not positively identified the possible sources of funding but our attention is drawn to some of the various government programs supporting rural areas that support economic development, improving infrastructure, and meeting the increasing fuel and electricity costs.

Design, construction, and implementation of a district heating system in Groveton (or any other community) are a significant undertaking. Such a project in Groveton is even more challenging in light of recent closing of the town's major employers (Groveton Paper Board and Wausau Papers), the relatively low tax base, and the limited resources of the community and its residents.

The benefits of such a project are broad and include:

• Economic viability in light of the ever-increasing cost of fuel oil

- Increased energy independence
- Reduction in amount spent on fuel assistance (\$100,000 last year in Groveton alone)
- Environmental benefit due to reduced air emissions
- Economic stimulus to the north country through the production and use of biomass.

However, due to the significant upfront capital cost for implementation, these benefits need first and foremost the support of the residents, without which the project cannot be realized, but also the support of State and Federal funding agencies. We have identified the following potential funding sources for the project:

Community Development Block Grant Program (Economic Development)

The New Hampshire Community Development Finance Authority administers the Community Development Block Grant (CDBG) Program. The program can provide up to \$500,000 of funding for economic development projects. In order to be eligible, the project must demonstrate a benefit to low and moderate income individuals and one full time job must be created for each \$20,000 in grant money provided.

Federal Earmark

With the increasing awareness of our country's vulnerability because of our foreign oil dependence, the time is right to investigate and invest in alternative energy sources. This project represents an excellent opportunity for a federally supported demonstration project. We recommend that our elected representatives in Washington be contacted to pursue funding for further study and implementation of the project.

USDA Rural Development

Rural Development can provide low interest loans and grants for water and wastewater infrastructure improvements. Though not a likely source of funding for the district heating system, Rural Development assistance could be utilized for the design and construction of infrastructure improvements to the water, wastewater, and drainage systems in the village should that work be added to the project scope.

U.S. Department of Commerce – Economic Development Administration (EDA)

The Economic Development Administration (EDA) is also a potential source of funding for this project. One of the missions of EDA, through the Public Works and Economic Development Program, is to assist communities in the upgrade of their infrastructure to attract new industry, diversify local economies, and generate and retain long-term jobs and investments.

9. Study sensitivity

In this study we have tried to include good district heating design parameters keeping in mind the limited information available. The estimates are preliminary and we would recommend that the study be taken to a more detailed examination before the Village of Groveton commits itself to the project.

The study and its assessments highlight a number of issues where more information and/or design decisions are required.

The cost estimates make it clear that the connection of individual houses is more capital cost intensive than the connection of larger buildings in a town with higher heat density. It is likely that a reduction of the connection capital cost, especially in relation to cost of branches and service pipes can be reduced if more detailed information about the buildings is available.

A decision on whether to have direct or indirect connections and whether to have instantaneous DHW or a cylinder can make the scheme either more or less expensive.

The overall layout and especially the parameters in respect to the central heating system of individual houses and buildings also need to be established to match the parameters of the heating network.

Customer interface connections for indirect connection can be delivered as prefabricated units or they can be built by the heating installer. The choice of unit reflects the type of connection i.e. direct / indirect heating and cylinder / instantaneous DHW connection. Temperatures and pressure levels, also for the mains cold water supply and for the domestic hot water, are among the important parameters when specifying the units.

One important issue is the capacity of the unit in relation to the building's heat demand and the demand for domestic hot water. This will lead to requirements in terms of flow over the installation, combined with the obtainable supply and return temperature.

The results of this study will quite naturally be influenced by changes in fuel prices and the uncertainty in the construction costs estimates. It is therefore important that any work based on these results takes a critical view on current developments within both the oil price and the price of wood chip. Also a review of the estimated construction costs should be included in any further work.

10. Way forward

When implementing district heating there are a number of good practices and recommendations in relation to the design and installation that have been developed over the years.

The detailed specification for the installation and maintenance of the district heating network is outside the scope of this study at this early stage but it is something worth considering as early as possible in the project process.

Due to the limited information available at this stage of the study it is Rambolls' recommendation that this study be followed by additional investigation considering the network and the heat production facility in more detail.

Once the decision has been taken to establish a district heating scheme it is Ramboll's experience that the next stage should be a preliminary design. It is likely that even following a detailed feasibility there is still left open a number of questions and uncertainties and these should be thoroughly investigated and/or determined directly. It is also important to take the first steps towards establishing an organization to take the project forward.

The next stages of developing the scheme should then be preliminary design, detailed design, tendering/procurement, construction and commissioning. The tendering and procurement stage covers the preparation of technical specifications and procurement documents.

The content of these stages will be influenced by the possible ways of splitting the design into "preliminary" and "final". The same may apply to the "tendering / procurement" stage, which can be more or less comprehensive, depending on the number of work packages that will be tendered. Also the contract with contractors or suppliers may include a smaller or greater part of the design.

In parallel to this the business plan for the enterprise (or enterprises) will have to be developed and anchored within the community. This includes verification of the cost estimates on which this study has been based.

It is important that there is a close working relationship and liaison with all stakeholders throughout the project and its development. Experience shows that the best schemes with greatest customer satisfaction are those implemented with detailed communication and information sharing. Appendix 1: Groveton Aerial photo showing the three areas.

Groveton District Energy - Attachment 3

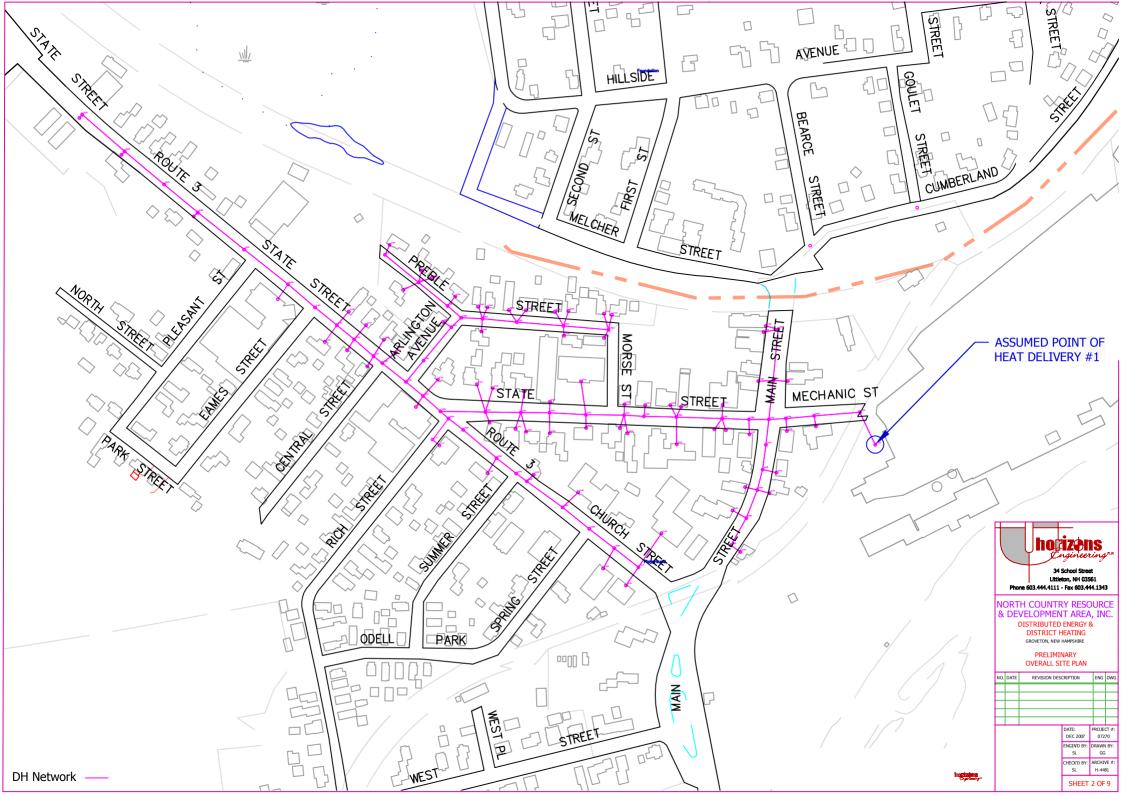


Appendix 2: Oil consumption for ten randomly selected addresses.

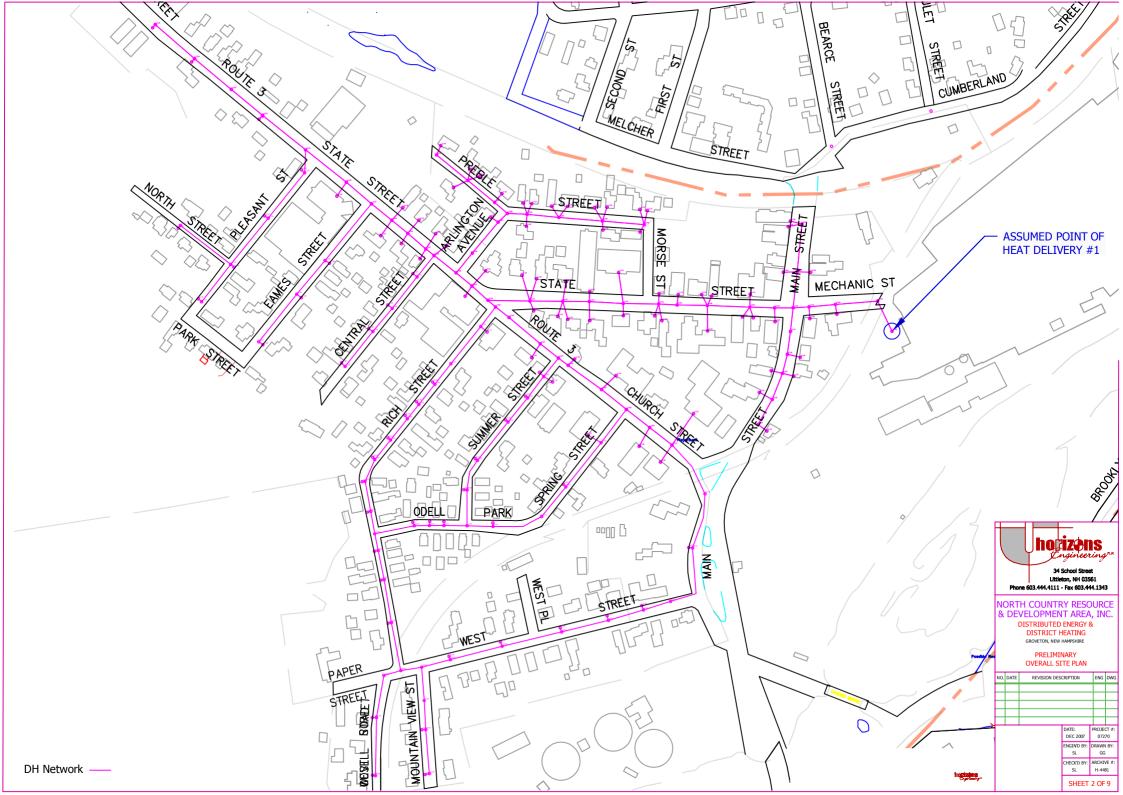
Oil burner efficiency: 85% Yearly utilisation time: 1,800 hrs/yr

Adress	Yr blt	Area	Oil cons.	Energy	Specific energy	Peak demand
-	Year	Sq. feet	Gallons/yr	MMBtu/yr	Btu/sq.feet/yr	Btu/sq.feet/hr
10 Preble st.	1950	2,866	1,250	137	47,750	26.5
17 Eames st.	1959	1,833	1,000	109	59,730	33.2
33 State st.	1965	595	650	71	119,600	66.4
58 State st.	1898	2,760	1,200	131	47,600	26.4
16 Spring st.	1880	1,686	900	99	58,440	32.5
3 Pleasant st.	1861	1,196	800	88	73,230	40.7
13 Odell Park	1920	1,223	850	93	76,090	42.3
7 Eames st.	1940	1,481	1,100	120	81,320	45.2
22 Central ave.	1900	1,624	1,000	109	67,410	37.5
8 Central ave.	1900	1,470	1,020	112	75,970	42.2

Appendix 3: Outline of the DH network for model 1A.

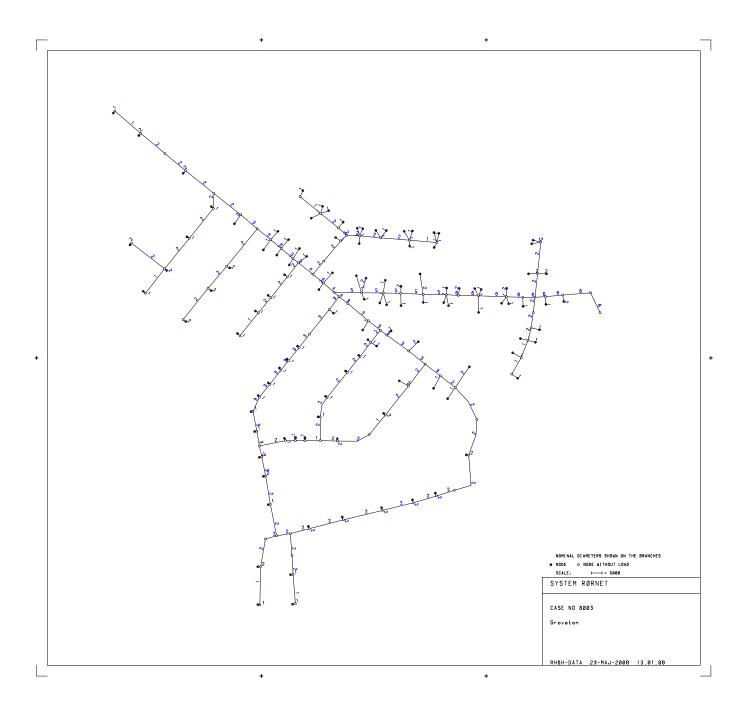


Appendix 4: Outline of DH network for model 1B.

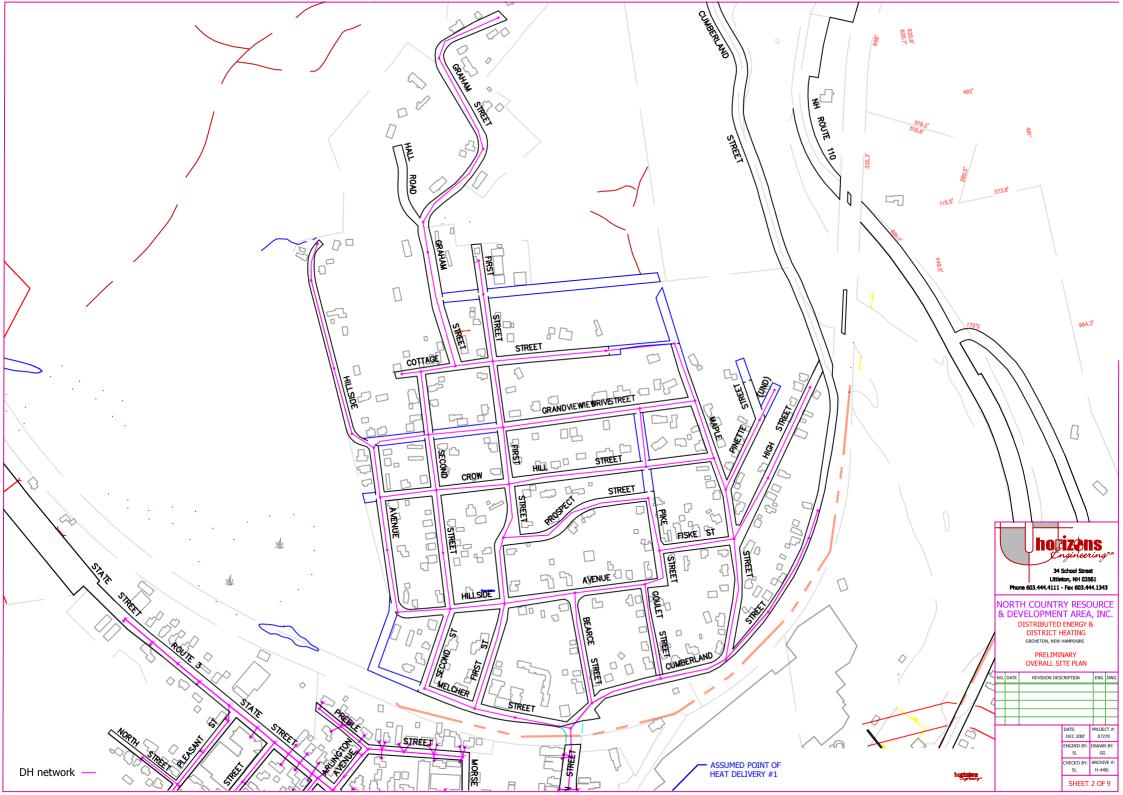


Appendix 5: Plot of DH network for model 1B.

Pipe dimensions in DN/inches.



Appendix 6: Outline of DH network for Area 2.



Appendix 7: Building Record of the Village of Groveton

List of all buildings inclusive information about ownership, location, utilization, living area in square feet, heat type and heat source.

Owner's Name	Street No	o Street Name	Area	Bldg Area Gros: Bldg Are	ea Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
BENNETT, LARRY E	9	Central	1B	2846	1469	1940	Hot Water	Oil	1010 Single Fam	1-3 family
EMERY, MICHAEL J	6	Central	1B	2862	1133	1880	Forced Hot Air	Oil	1010 Single Fam	1-3 family
GAGNON, CLARENCE	16	Central	1B	2152	876	1900	Hot Water	Oil	1010 Single Fam	1-3 family
MERROW, SCOTT	14	Central	1B	3842	2008	1860	Hot Water	Oil	1010 Single Fam	1-3 family
LAMBERT, SCOTT G	8	Central	1B	2690	1470	1900	Hot Water	Oil	1010 Single Fam	1-3 family
CLOUTIER, MICHAEL	26	Central	1B	4254	1638	1896	Hot Water	Oil	1010 Single Fam	1-3 family
FISHER, PATSY	10	Central	1B	2623	1313	1920	Forced Hot Air	Oil	1010 Single Fam	1-3 family
LANGKAU, JOSEPH JR	22	Central	1B	2916	1624	1900	Hot Water	Oil	1010 Single Fam	1-3 family
LEDGER, BELINDA M	19	Central	1B	2474	1161	1959	Hot Water	Oil	1010 Single Fam	1-3 family
BLODGETT, YVONNE	15	Central	1B	3090	1104	1975	Hot Water	Oil	1010 Single Fam	1-3 family
GAGNON, CLARENCE	18	Central	1B	3028	1164	1900	Hot Water	Oil	1010 Single Fam	1-3 family
NORMANDEAU, ROLAND	11	Central	1B	1966	1188	1940	Hot Water	Oil	1010 Single Fam	1-3 family
CHAMPLAIN OIL CO INC	35	Church	1A	5220	2610	1955	Forced Hot Air	Oil	3340 GAS ST SRV	Comm&Public
CASS, MICHAEL J	53	Church	1A	3466	1388	1900	Hot Water	Oil	1010 Single Fam	1-3 family
BURT, RENE P	55	Church	1A	4302	2660	1900	Hot Water	Oil	1050 THREE FAM	1-3 family
MCLEOD, NORMAN	33	Church	1A	2054	1120	1900	Hot Water	Oil	1010 Single Fam	1-3 family
PARSONS REALTY COMPANY INC	18	Church	1A	5832	2856	1961	Hot Water	Oil	3500 POST OFF	Comm&Public
WILLIAMS, PALTON	50	Church	1A	3353	1932	1920	Hot Water	Oil	1040 TWO FAMILY	1-3 family
WEEKS HOSPITAL ASSOC.	47	Church	1A	8294	4620	1998	Hot Water	Oil	3040 NURSING HM MI	•
METHODIST CHURCH	40-46	Church	1A	15472	8691	1960	Hot Water	Oil	9060 CHURCH ETC M	DL-9 [,] Comm&Public
ST MARKS VESTRY	49	Church	1A	5611	2794	1900	Forced Hot Air	Oil	9060 CHURCH ETC M	DL-9 [,] Comm&Public
GROVETON VILLAGE PRECINCT	37	Church	1A	9600	4800	1967	Forced Hot Air	Oil	9032 FIRE	Comm&Public
NORTHUMBERLAND SCHOOL DIST	36	Church	1A	35321	20486	1908	Hot Water	Oil	9033 PUB-SCHOOL M	DL-9 [,] Comm&Public
BRANN, CHARLES K	17	Eames	1B	4986	1833	1959	Hot Water	Oil	1010 Single Fam	1-3 family
BURT JR., RAYFIELD C	9	Eames	1B	2705	1440	1930	Forced Hot Air	Oil	1010 Single Fam	1-3 family
MCCORMICK, ROBERT W	7	Eames	1B	2964	1481	1940	Steam	Oil	1010 Single Fam	1-3 family
CHESSMAN, JOAN	14	Eames	1B	2242	1344	1940	Hot Water	Oil	1010 Single Fam	1-3 family
GIROUARD, ARMAND	18	Eames	1B	3940	2540	1950	Hot Water	Oil	1010 Single Fam	1-3 family
PERRAS, PAUL	11	Eames	1B	3621	1870	1930	Forced Hot Air	Oil	1010 Single Fam	1-3 family
CARNEY, ROBERT	21	Eames	1B	3734	1596	1852	Hot Water	Oil	1040 TWO FAMILY	1-3 family
HAWES, WINSTON	20	Eames	1B	4779	2156	1890	Forced Hot Air	Oil	1040 TWO FAMILY	1-3 family
ARMSTRONG FAMILY REVOC TRUST	13	Eames	1B	4088	1540	1920	Hot Water	Oil	1010 Single Fam	1-3 family
CANTON, CHRISTOPHER	24	Eames	1B	3972	1277	1966	Hot Water	Oil	1010 Single Fam	1-3 family
RAMSAY, JOAN E	5x2	Eames	1B	2826	1120	2002	Hot Water	Oil	1010 Single Fam	1-3 family
WILSON, LEO W	25	Eames	1B	2388	1376	1900	Forced Hot Air	Oil	1010 Single Fam	1-3 family
TETREAULT, JAMES ALAN	8	Garden Way	1B	3384	1196	1952	Forced Hot Air	Oil	1010 Single Fam	1-3 family
YOUNG, FAYE	6	Garden Way	1B	1906	806	1952	Forced Hot Air	Oil	1010 Single Fam	1-3 family
CARON, RONALD G	10	Main	1A	7064	2456	1875	Steam	Oil	1050 THREE FAM	1-3 family
AUGER, ALBERT	30	Main	1A	6711	2803	1895	Hot Water	Oil	1110 APT 4-UNT	Apt
HALL, CLIFTON	14	Main	1A	3558	2356	1900	Hot Water	Oil	1040 TWO FAMILY	1-3 family
BELAND, ALPHONSE	48	Main	1B	8559	3788	1861	Hot Water	Oil	1010 Single Fam	1-3 family
BELIVEAU, DENNIS	25	Main	1A	3284	1411	1875	Hot Water	Oil	1010 Single Fam	1-3 family
WAUSAU PAPERS OF NH INC.	36	Main	1A	2784	1392		None	Coal or Wood	3542 BUS STATN	Comm&Public
JANVRIN, LLOYD A	52	Main	1B	4473	2559		Hot Water	Oil	1010 Single Fam	1-3 family
HALL, CLIFTON	16	Main	1A	3476	2592	1900	Hot Water	Oil	1050 THREE FAM	1-3 family
DUPUIS, LEON	26	Main	1A	3775	1969	1900	Forced Hot Air	Oil	1010 Single Fam	1-3 family

Owner's Name	Street No	o Street Name	Area	Bldg Area Gros: Bldg A	rea Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
HUTCHINS, DAVID E	6	Main	1A	13952	8834	1900	0 Hot Water	Oil	1120 APT OVER 8	Apt
JOY, LESLIE	11	Main	1A	3518	2598	1900	0 Hot Water	Oil	3030 PROF/APTS	Comm&Public
GROVETON PAPER BOARD	19	Main	1A	6480	4860	1980	0 Hot Water	Oil	3400 OFFICE BLD	Comm&Public
WAUSAU PAPERS OF NH INC.	23	Main	1A	3467	1848	1900	0 Hot Water	Oil	1040 TWO FAMILY	1-3 family
GROPACO FEDERAL CREDIT UNION	13	Main	1A	7865	4770	1900	0 Hot Water	Oil	3410 BANK BLDG	Comm&Public
USW LOCAL 4-61	8	Main	1A	4700	2475	1935	5 Hot Water	Oil	3530 FRATNL ORG	Comm&Public
LOYAL ORDER OF MOOSE	5	Main	1A	6133	3395	1930	0 Hot Water	Oil	9200 NON PROFIT M	DL-94 Comm&Public
COULOMBE, CARL	12	Main	1A	4219	3212	1900	0 Hot Water	Oil	1050 THREE FAM	1-3 family
WAUSAU PAPERS OF NH INC.	6	Mechanic	1A	1410	1410	1900	0 Hot Water	Oil	3350 CAR WASH	Comm&Public
WAUSAU PAPERS OF NH INC.	10	Mechanic	1A	26988	13494	1890	0 Hot Air-no Duc	Oil	4000 FACTORY	Comm&Public
GROVETON PAPER BOARD	12	Mechanic	2	51002	51002	1966	6 None	Coal or Wood	4000 FACTORY	Comm&Public
NO NAME	6	Morse	1A		1778	1915	5 Hot Water	Oil	1010 Single Fam	1-3 family
BEDELL, GINA	14	Mountain View	1B	3617	1355	1967	7 Hot Water	Oil	1010 Single Fam	1-3 family
COLLINS REVOCABLE TRUST, ROBER	7	Mountain View	1B	3690	1456	1968	8 Hot Water	Oil	1010 Single Fam	1-3 family
WOODWARD, VIVIANE L	6	Mountain View	1B	2796	1172	1964	4 Hot Water	Oil	1010 Single Fam	1-3 family
PLATT, HADLEY	15	Mountain View	1B	2388	1012	1967	7 Hot Water	Oil	1010 Single Fam	1-3 family
KEDDY, DONNA C	10	Mountain View	1B	2846	1407	1968	8 Hot Water	Oil	1010 Single Fam	1-3 family
KELLY, ORAL	4	North	1B	3195	1548	1845	5 Hot Water	Oil	1010 Single Fam	1-3 family
WELLS FARGO BANK, N.A.	11	North	1B	3350	1716	1940	0 Hot Water	Oil	1010 Single Fam	1-3 family
BACON, GISELE PAQUETTE	9	North	1B	1430	585	1900	0 Hot Water	Oil	1010 Single Fam	1-3 family
KELLY, MICHAEL J	3	North	1B	2992	1453	1908	8 Hot Water	Oil	1010 Single Fam	1-3 family
HAAS, JON T	7	North	1B	1784	832	1955	5 Hot Water	Oil	1010 Single Fam	1-3 family
CHAUVETTE, ROGER P	8	North	1B	4990	2220	1958	8 Hot Water	Oil	1010 Single Fam	1-3 family
ASTLE, MARIAN	17	Odell	1B	1872	1001	1923	3 Hot Water	Oil	1010 Single Fam	1-3 family
DUPONT, JOSEPH	13	Odell	1B	2334	1223	1920	0 Hot Water	Oil	1010 Single Fam	1-3 family
BENNETT, JAMES JR	18	Odell	1B	2342	1289	1909	9 Hot Water	Oil	1010 Single Fam	1-3 family
PERRAS, ROBERT JAMES	12	Odell	1B	1884	1001	1918	8 Forced Hot Air	Oil	1010 Single Fam	1-3 family
LEIGHTON, JAMES A	14	Odell	1B	2412	1265	1918	8 Hot Water	Oil	1010 Single Fam	1-3 family
JARVIS, STEVEN M	4	Odell	1B	1832	1144	1930	0 Hot Water	Oil	1010 Single Fam	1-3 family
HAMILTON, DONALD	11	Odell	1B	2132	1121	1918	8 Hot Water	Oil	1010 Single Fam	1-3 family
NEWTON, BRIAN S	16	Odell	1B	2402	1188	1918	8 Hot Water	Oil	1010 Single Fam	1-3 family
PERLZAK, IRENE	7	Odell	1B	2152	1078	1920	0 Hot Water	Oil	1010 Single Fam	1-3 family
WHEELOCK, LLOYD & ROSELYN (LE)	15	Odell	1B	2524	1321	1918	8 Hot Water	Oil	1010 Single Fam	1-3 family
EMERSON, JAMES H	8	Paper	1B	3673	2112	1875	5 Hot Water	Oil	1010 Single Fam	1-3 family
BEDELL, HAZEL	11	Paper	1B	2268	1104	1955	5 Hot Water	Oil	1010 Single Fam	1-3 family
GAUTHIER JR, ROBERT W	7	Paper	1B	5280	2280	1880	0 Hot Water	Oil	1010 Single Fam	1-3 family
SARGENT, RITA	9	Park	1B	3544	1729	1860	0 Hot Water	Oil	1010 Single Fam	1-3 family
SHEDD, BRIAN J	3	Park	1B	3747	2193	1888	8 Hot Water	Oil	1040 TWO FAMILY	1-3 family
JEWELL, JENNIE L	8	Park	1B	2939	1456	1900	0 Hot Water	Oil	1010 Single Fam	1-3 family
WHEELOCK FAMILY TRUST	5	Park	1B	3369	1812	1888	8 Hot Water	Oil	1010 Single Fam	1-3 family
FRIZZELL, ROBERT D	14	Pleasant	1B	3507	1698	1930	0 Forced Hot Air	Oil	1010 Single Fam	1-3 family
MILLER, WILLIAM	9	Pleasant	1B	3102	1846	1900	0 Hot Water	Oil	1010 Single Fam	1-3 family
SCHAFERMEYER, ANDREW T	1	Pleasant	1B	2667	1323	1900	0 Hot Water	Oil	1010 Single Fam	1-3 family
PINETTE, ROBERT J	13	Pleasant	1B	2652	1316	1900	0 Hot Water	Oil	1010 Single Fam	1-3 family
TETREAULT, LAWRENCE	3	Pleasant	1B	2271	1196	186′	1 Hot Water	Oil	1010 Single Fam	1-3 family
LITTLEHALE, KEVIN	8	Pleasant	1B	2109	1204	1930	0 Hot Water	Oil	1010 Single Fam	1-3 family
BREAULT, MARLENE (ALLIN)	27	Rich	1B	1624	940	1900	0 Hot Water	Oil	1010 Single Fam	1-3 family

ATMONSON, ESTATE OF RESIT 37 Rich 18 2512 1925 Hol Water Oil 1010 Single Fam 1.3 family BECLERON, INCLAKO 44 Rich 18 2556 1228 Hol Water Oil 1010 Single Fam 1.3 family BOURASSA, RICLAKO 44 Rich 18 4266 1228 1925 Hol Water Oil 1010 Single Fam 1.3 family CHING, KEYIM 45 Rich 18 4267 1208 1900 Hol Water Oil 1010 Single Fam 1.3 family COULE, RICHANN MOTHY 15 Rich 18 2777 1108 1900 Hol Water Oil 1100 Single Fam 1.3 family ROBY, HERBERT 18 2861 1986 1900 Hol Water Oil 1100 Single Fam 1.3 family ROBY, HERBERT 18 2862 1986 1900 Hol Water Oil 1100 Single Fam 1.3 family ROBY, HERBERT 17 Rich 18 2862 1900 Hol Water Oil 1100 Single Fam 1.3 family ROBY, HERBERT 17 Rich 18 2866	Owner's Name	Street N	o Street Name	Area B	ldg Area Gros؛ Bldg A	rea Living	Ayb H	eat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
BOURASSA, RICHARD 44 Rich 18 2666 1248 1940 Howare Oil 1010 Single Fam 1-3 family CHIMG, KEVIN 42 Rich 18 3720 2208 1920 HoWare Oil 1010 Single Fam 1-3 family CHIMG, KEVIN 35 Rich 18 1921 HoWare Oil 1010 Single Fam 1-3 family CHARBONNEAU, TMADTHY 35 Rich 18 2027 1338 1000 HoWare Oil 1010 Single Fam 1-3 family MOCHERTY, PATRICK LJR 48 Rich 18 2032 1138 1938 HoWare Oil 1100 Single Fam 1-3 family MACGRECOR, LAURE 17 Rich 18 2464 1225 1935 HOWare Oil 1010 Single Fam 1-3 family MACGRECOR, LAURE 17 Rich 18 2439 1428 1974 HoWare Oil 1010 Single Fam 1-3 family MACGRECOR, LAURE 17 Rich 18 2460 1225 1935 HOWare Oil <td>ATKINSON, ESTATE OF RESI T</td> <td>37</td> <td>Rich</td> <td>1B</td> <td>2512</td> <td>1225</td> <td>1935 H</td> <td>ot Water</td> <td>Oil</td> <td>1010 Single Fam</td> <td>1-3 family</td>	ATKINSON, ESTATE OF RESI T	37	Rich	1B	2512	1225	1935 H	ot Water	Oil	1010 Single Fam	1-3 family
BELAND, ALPHONSE 30 Rich 16 4066 2236 125 Hollwarr Oil 1040 TWO FAMLY 1-3 family CHARG KEVN 42 Rich 16 1492 1001 1916 Hollwarr 0il 1010 Single Fam 1-3 family CHARG KEVN 15 Rich 16 2472 1338 1900 Holl Water 0il 1010 Single Fam 1-3 family ROBY, HERBERT 18 Rich 18 2473 1188 1980 Holl Water 0il 1010 Single Fam 1-3 family DOHERTY, PATRICK L, RR 14 Rich 18 2323 1435 1830 Holl Water 0il 1010 Single Fam 1-3 family DOHERTY, PATRICK L, RR 14 Rich 18 2426 1225 1038 Hollware 0il 1010 Single Fam 1-3 family OMAGA, RDIND 28 Rich 18 2436 1941 Holl Water 0il 1010 Single Fam 1-3 family PADMERTY, PATRICK L, REFEY M 38 Rich 18 2436 1940 Hollwar	BERGERON, THEODORA	13	Rich	1B	3075	1563	1925 H	ot Water	Oil	1010 Single Fam	1-3 family
CHING, KEVIN 42 Rich 18 3720 2208 1900 HV Water Oil 1010 Single Fam 1-3 family CHARBONKLAU, TIMOTHY 35 Rich 18 247 1338 1900 HV Water Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 18 Rich 18 2268 1045 1304 HV Water Oil 1010 Single Fam 1-3 family ODHERTY, FARTICK LJ, R 14 Rich 18 2868 1045 1304 HV Water Oil 1010 Single Fam 1-3 family ODLERTY, FARTICK LJ, R 14 Rich 18 2866 2777 1000 HV Water Oil 1010 Single Fam 1-3 family COULST, DAVID 16 Rich 18 2432 1442 1947 HV Water Oil 1010 Single Fam 1-3 family ROARC, REVINJ 24 Rich 18 2432 1442 1947 HV Water Oil 1010 Single Fam 1-3 family ROARC, REVINJ 24 Rich 18 2453 <t< td=""><td>BOURASSA, RICHARD</td><td>44</td><td>Rich</td><td>1B</td><td>2656</td><td>1248</td><td>1940 H</td><td>ot Water</td><td>Oil</td><td>1010 Single Fam</td><td>1-3 family</td></t<>	BOURASSA, RICHARD	44	Rich	1B	2656	1248	1940 H	ot Water	Oil	1010 Single Fam	1-3 family
CHARBONNEAU, TIMOTHY 35 Rich 18 1442 1001 1014 In Visinge Fam 1-3 family ROBY, HERBERT 39 Rich 18 2173 1188 1910 Hot Water Oil 1010 Single Fam 1-3 family ROBY, HERBERT 18 Rich 18 2273 1188 1910 Hot Water Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 18 Rich 18 2382 1486 1900 Hot Water Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 17 Rich 18 2464 1225 1335 Hot Water Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 17 Rich 18 2435 1044 1040 Hot Water Oil 1010 Single Fam 1-3 family MOCGREGOR, LAURIE 28 Rich 18 2435 1044 1040 Hot Water Oil 1010 Single Fam 1-3 family MOCROCKACK (KINSLE 21 Rich 18 2455 1041 1040 Hot Water <td>BELAND, ALPHONSE</td> <td>30</td> <td>Rich</td> <td>1B</td> <td>4066</td> <td>2236</td> <td>1925 H</td> <td>ot Water</td> <td>Oil</td> <td>1040 TWO FAMILY</td> <td>1-3 family</td>	BELAND, ALPHONSE	30	Rich	1B	4066	2236	1925 H	ot Water	Oil	1040 TWO FAMILY	1-3 family
CHARBONNEAU, TIMOTHY 35 Rich 18 1442 1001 1014 In Visinge Fam 1-3 family ROBY, HERBERT 39 Rich 18 2173 1188 1910 Hot Water Oil 1010 Single Fam 1-3 family ROBY, HERBERT 18 Rich 18 2273 1188 1910 Hot Water Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 18 Rich 18 2382 1486 1900 Hot Water Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 17 Rich 18 2464 1225 1335 Hot Water Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 17 Rich 18 2435 1044 1040 Hot Water Oil 1010 Single Fam 1-3 family MOCGREGOR, LAURIE 28 Rich 18 2435 1044 1040 Hot Water Oil 1010 Single Fam 1-3 family MOCROCKACK (KINSLE 21 Rich 18 2455 1041 1040 Hot Water <td>CHING, KEVIN</td> <td>42</td> <td>Rich</td> <td>1B</td> <td>3720</td> <td>2208</td> <td>1900 H</td> <td>ot Water</td> <td>Oil</td> <td>1010 Single Fam</td> <td>1-3 family</td>	CHING, KEVIN	42	Rich	1B	3720	2208	1900 H	ot Water	Oil	1010 Single Fam	1-3 family
HOULE, NICHARD W 15 Rich 18 2277 1338 101 Hold Vietar Oil 101 Single Fam 1-3 family MACGREGOR, LAURIE 18 Rich 18 2373 1138 1014 Hold Waler Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 18 Rich 18 2388 1389 Forced Har in Oil 1010 Single Fam 1-3 family GOULET, DAVID 16 Rich 18 2837 1495 1000 Hold Waler Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 7 Rich 18 2439 1445 1300 Hold Waler Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 48 Rich 18 2435 1094 Hold Waler Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 7 Rich 18 2435 1094 Hold Waler Oil 1010 Single Fam 1-3 family MARSHALL_EFREY M 38 Rich 18 2435 1094 Hold Waler Oil <	CHARBONNEAU, TIMOTHY		Rich			1001	1918 H	ot Water	Oil	-	1-3 family
ROBY, HERBERT 39 Rich 18 2173 1188 119 hot Water Oli 1101 Single Fam 1-3 family DOHERTY, PATRICK LJR 14 Rich 18 3082 1381 Hot Water Oli 1010 Single Fam 1-3 family DOHERTY, PATRICK LJR 14 Rich 18 3082 1381 Hot Water Oli 1010 Single Fam 1-3 family MACGREGOR, LAURIE 7 Rich 18 2644 1225 1393 Hot Water Oli 1010 Single Fam 1-3 family MOCGREGOR, LAURIE 48 Rich 18 2423 1428 1947 Hot Water Oli 1010 Single Fam 1-3 family MOCGREGOR, KEVIN J 24 Rich 18 2700 1641 1900 Hot Water Oli 1010 Single Fam 1-3 family MARSHALL, JEFFREY M 38 Rich 18 2702 1641 1900 Hot Water Oli 1010 Single Fam 1-3 family MACGREGOR, KEVIN J 24 Rich 18 3765 1240 1000 Hot Water Oli <td>HOULE, RICHARD W</td> <td>15</td> <td>Rich</td> <td></td> <td>2627</td> <td>1338</td> <td>1900 H</td> <td>ot Water</td> <td>Oil</td> <td>1010 Single Fam</td> <td>1-3 family</td>	HOULE, RICHARD W	15	Rich		2627	1338	1900 H	ot Water	Oil	1010 Single Fam	1-3 family
DOHERTY, PATRICK LAR 14 Rich 18 302 138 1388 Forced Hol Air Oli 1010 Single Fam 1.3 family MAGGREGOR, LAURIE 17 Rich 18 5880 2757 1900 Hol Water Oli 1000 Single Fam 1.3 family MAGGREGOR, LAURIE 17 Rich 18 5283 1426 1900 Hol Water Oli 1010 Single Fam 1.3 family MAGGREGOR, LAURIE 48 Rich 18 4243 1004 How Water Oli 1010 Single Fam 1.3 family MAGSHALL, JEFFREY M 38 Rich 18 2221 1266 How Water Oli 1010 Single Fam 1.3 family MACORMACK, KEWIN J 24 Rich 18 2356 1000 How Water Oli 1010 Single Fam 1.3 family PAUETTE, ALCIDE 29 Rich 18 3563 116 1900 How Water Ol 1010 Single Fam 1.3 family POUETTE, ALCIDE 29 Rich 18 3563 116 1900 How Water	ROBY, HERBERT	39	Rich	1B	2173	1188	1918 H	ot Water	Oil	1010 Single Fam	1-3 family
GOLLET, DAVID 16 Rich 18 2837 1468 1900 Hot Water Oli 1010 Single Fam 1.3 family MAGGREGOR, LAURIE 41 Rich 18 2464 1225 1900 Hot Water Oli 1010 Single Fam 1.3 family NEWELL, ANTA (KINGSLEY) 41 Rich 18 2438 1937 Hot Water Oli 1010 Single Fam 1.3 family MAGSLEGOR, KEVIN J 24 Rich 18 2430 1040 Hot Water Oli 1010 Single Fam 1.3 family MACSDREGOR, KEVIN J 24 Rich 18 2357 1200 Hot Water Oli 1010 Single Fam 1.3 family PAQLETFE, AUCLE 20 Rich 18 2357 1200 Hot Water Oli 1010 Single Fam 1.3 family PALLETF, RVLAA 9 Rich 18 3576 1120 1900 Hot Water Oli 1010 Single Fam 1.3 family	MACGREGOR, LAURIE	18	Rich	1B	2368	1045	1930 H	ot Water	Oil	1010 Single Fam	1-3 family
GOULET, DAVID f6 Rich 18 287 146 1900 Hol Water Oil 1010 Single Fam 1-3 family MACGREGOR, LAURIE 41 Rich 18 2464 1225 1326 Hol Water Oil 1010 Single Fam 1-3 family NEWELL, ANITA (KINGSLEY) 41 Rich 18 2426 1225 1326 Hol Water Oil 1010 Single Fam 1-3 family GOSSELIN, BRIAN D 22 Rich 18 2435 1041 1900 Hol Water Oil 1010 Single Fam 1-3 family MARSHALL, ISFREY M 38 Rich 18 2450 1010 Hol Water Oil 1010 Single Fam 1-3 family MOROCE, MICHAELW 9 Rich 18 3576 1240 1900 Hol Water Oil 1010 Single Fam 1-3 family MOROCE, MICHAELW 9 Rich 18 3555 116 1900 Hol Water Oil 1010 Single Fam 1-3 family MOROCE, MICHAELW 9 Rich 18 3055 116	DOHERTY, PATRICK L JR	14	Rich	1B	3082	1388	1898 Fo	orced Hot Air	Oil	1010 Single Fam	1-3 family
NEWELL ANITA (KINOSLEY) 41 Rich 1B 2464 126 1363 Hold Water Oil 1010 Single Fam 1-3 family GOSSELIN, BRIAN D 22 Rich 1B 2435 1428 1947 Hold Water Oil 1010 Single Fam 1-3 family GOSSELIN, BRIAN D 22 Rich 1B 2435 100 Hold Water Oil 1010 Single Fam 1-3 family MARSHALL, JACLE 31 Rich 1B 2321 126 1900 Hold Water Oil 1010 Single Fam 1-3 family PIECRE, NOELLA 31 Rich 1B 2366 1200 Hold Water Oil 1010 Single Fam 1-3 family PAQUETTE, ALCDE 20 Rich 1B 3576 1240 1900 Hold Water Oil 1010 Single Fam 1-3 family MONROE, MICHAELW 9 Rich 1B 3535 1161 1955 Hold Water Oil 1010 Single Fam 1-3 family WIFT, SYLVA M 40 Rich 1B 2643 1440 1940 Hold Water Oil 1010 Sin	GOULET, DAVID	16	Rich	1B	2837	1465	1900 H	ot Water	Oil	-	
NEWELL, ANTA (KINOSLEY) 41 Rich 18 2424 125 1935 Hot Water Oil 1010 Single Fam 1-3 family GOSSELIN, BRIAN D 22 Rich 18 2435 1040 Hot Water Oil 1010 Single Fam 1-3 family ARSHALL, JEFREY M 38 Rich 18 2321 1641 1900 Hot Water Oil 1010 Single Fam 1-3 family MCCORMACK, KEVIN J 24 Rich 18 2376 1240 1900 Hot Water Oil 1010 Single Fam 1-3 family PAOLETE, ALCIDE 20 Rich 18 3766 1240 1900 Hot Water Oil 1010 Single Fam 1-3 family COBETT, DEGORAH 21 Rich 18 3535 1161 1950 Hot Water Oil 1010 Single Fam 1-3 family WORT, SYLVA 40 Rich 18 3535 1161 1950 Hot Water Oil 1010 Single Fam 1-3 family QUAY, CLAUDE 28 Rich 18 2643 1441	MACGREGOR, LAURIE	17	Rich	1B	5660	2757	1900 H	ot Water	Oil	1050 THREE FAM	1-3 family
HOMAC, ARDIS B 48 Rich 18 4239 1428 1947 Hot Water Oil 1010 Single Fam 1-3 family GOSSELIN, BRIAN D 22 Rich 18 2435 1094 1900 Hot Water Oil 1010 Single Fam 1-3 family MARSHALL, JEFFREY M 38 Rich 18 2430 1010 1900 Hot Water Oil 1010 Single Fam 1-3 family MCCORMACK, KEVIN J 24 Rich 18 2450 1010 1900 Hot Water Oil 1010 Single Fam 1-3 family MORCE, MICHAEL 20 Rich 18 3576 1240 1900 Hot Water Oil 1010 Single Fam 1-3 family ORDERT, DEBORAH M 21 Rich 18 3054 1752 1900 Hot Water Oil 1010 Single Fam 1-3 family SWIFT, SYLVIA M 40 Rich 18 3059 1116 1996 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, RICHARD 28 Rich 18 3059 11440 1940 Hot Water Oil 1010 Single Fam 1-3 family GUAY, ROBERTP 29 Ri	NEWELL, ANITA (KINGSLEY)	41	Rich			1225	1935 H	ot Water	Oil	1010 Single Fam	1-3 family
MARSHALL JEFREY M 38 Rich 18 2700 1641 1900 Hot Water Oli 1010 Single Fam 1.3 family PIERE, NCELLA 31 Rich 18 2450 1010 1900 Hot Water Oli 1010 Single Fam 1.3 family PAQUETTE, ALCIDE 20 Rich 18 3576 1240 1900 Hot Water Oli 1010 Single Fam 1.3 family COBBETT, DEBORAH M 21 Rich 18 3576 1240 1900 Hot Water Oli 1010 Single Fam 1.3 family COBBETT, DEBORAH M 21 Rich 18 3563 1116 1906 Hot Water Oli 1010 Single Fam 1.3 family SWET, SYLVIA M 40 Rich 18 2612 1212 1935 Hot Water Oli 1010 Single Fam 1.3 family GUAY, CLAUDE 23 Rich 18 2612 1212 1935 Hot Water Oli 1010 Single Fam 1.3 family CLOUTER, HENRY 13 Spring 18 2612 <t< td=""><td></td><td>48</td><td>Rich</td><td>1B</td><td>4239</td><td>1428</td><td>1947 H</td><td>ot Water</td><td>Oil</td><td>1010 Single Fam</td><td></td></t<>		48	Rich	1B	4239	1428	1947 H	ot Water	Oil	1010 Single Fam	
MARSHALL JEFREY M 38 Rich 18 2700 1641 1900 Hot Water Oli 1010 Single Fam 1.3 family PIERE, NCELLA 31 Rich 18 2450 1010 1900 Hot Water Oli 1010 Single Fam 1.3 family PAQUETTE, ALCIDE 20 Rich 18 3576 1240 1900 Hot Water Oli 1010 Single Fam 1.3 family COBBETT, DEBORAH M 21 Rich 18 3576 1240 1900 Hot Water Oli 1010 Single Fam 1.3 family COBBETT, DEBORAH M 21 Rich 18 3563 1116 1906 Hot Water Oli 1010 Single Fam 1.3 family SWET, SYLVIA M 40 Rich 18 2612 1212 1935 Hot Water Oli 1010 Single Fam 1.3 family GUAY, CLAUDE 23 Rich 18 2612 1212 1935 Hot Water Oli 1010 Single Fam 1.3 family CLOUTER, HENRY 13 Spring 18 2612 <t< td=""><td>GOSSELIN, BRIAN D</td><td>22</td><td>Rich</td><td>1B</td><td>2435</td><td>1094</td><td>1900 H</td><td>ot Water</td><td>Oil</td><td>1010 Single Fam</td><td>1-3 family</td></t<>	GOSSELIN, BRIAN D	22	Rich	1B	2435	1094	1900 H	ot Water	Oil	1010 Single Fam	1-3 family
PIERE NOELLA 31 Rich 1B 2400 1010 1000 Hot Water Oil 1010 Single Fam 1.3 tamily PAQUETTE, ALCIDE 20 Rich 1B 3766 1240 1900 Hot Water Oil 1010 Single Fam 1.3 tamily COBBETT, DEBORAH M 21 Rich 1B 3766 1426 1900 Hot Water Oil 1010 Single Fam 1.3 tamily COBBETT, DEBORAH M 21 Rich 1B 3505 116 1960 Hot Water Oil 1010 Single Fam 1.3 tamily SWIFT, SVLVIA M 40 Rich 1B 3609 1481 1900 Hot Water Oil 1010 Single Fam 1.3 tamily GUAY, CLAUDE 23 Rich 1B 2612 1212 1935 Hot Water Oil 1010 Single Fam 1.3 tamily CUDUTER, HENY 13 Spring 1B 2612 1212 1935 Hot Water Oil 1010 Single Fam 1.3 tamily CUBRLEN, KENY R 18 Spring 1B 2612	MARSHALL, JEFFREY M				2700	1641	1900 H	ot Water	Oil	1010 Single Fam	1-3 family
PIERE, NOELLA 31 Rich 1B 2400 1010 1000 MV Water Oil 1010 Single Fam 1-3 family PAQUETTE, ALCDE 20 Rich 1B 3766 1240 1900 Hot Water Oil 1010 Single Fam 1-3 family COBBETT, DEBORAH M 21 Rich 1B 3766 1426 1900 Hot Water Oil 1010 Single Fam 1-3 family COBBETT, DEBORAH M 21 Rich 1B 3609 1481 1900 Hot Water Oil 1010 Single Fam 1-3 family SWIFT, SYLVIA M 40 Rich 1B 2463 1440 1940 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, RICHARD 23 Rich 1B 2462 1212 1935 Hot Water Oil 1010 Single Fam 1-3 family GUAY, CLAUDE 23 Spring 1B 2412 122 1935 Hot Water Oil 1040 TWO FAMLLY 1-3 family <td< td=""><td>MCCORMACK, KEVIN J</td><td>24</td><td>Rich</td><td>1B</td><td>2321</td><td>1266</td><td>1900 H</td><td>ot Water</td><td>Oil</td><td>1010 Single Fam</td><td>1-3 family</td></td<>	MCCORMACK, KEVIN J	24	Rich	1B	2321	1266	1900 H	ot Water	Oil	1010 Single Fam	1-3 family
PAQUETTE, ALCIDE 20 Rich 1B 3576 124 1900 Hot Water Oil 1010 Single Fam 13 family MONROE, MICHAEL 21 Rich 1B 3576 126 1900 Hot Water Oil 1010 Single Fam 13 family COBBETT, DEBORAH M 21 Rich 1B 3535 1116 1965 Hot Water Oil 1010 Single Fam 13 family ROBY, ROBERT P 29 Rich 1B 3535 1116 1965 Hot Water Oil 1010 Single Fam 13 family DUPUIS, RICHARD 28 Rich 1B 2463 1440 1940 Hot Water Oil 1010 Single Fam 13 family QUAY, CLAUDE 28 Rich 1B 2463 1440 1940 Hot Water Oil 1010 Single Fam 13 family QUAY, CLAUDE 28 Rich 1B 2463 1280 Hot Water Oil 1040 TWO FAMILY 13 family O'BRLEN, KEVIN R 16 Spring 1B 3547 222 1800 Hot Wat	PIERRE, NOELLA	31	Rich		2450	1010	1900 H	ot Water	Oil	5	2
MONCE, MICHAEL W 9 Rich 18 3766 1428 1900 Hot Air-no Duc Gas 1010 Single Fam 1.3 family COBBETT, DEBORAH M 21 Rich 18 3054 1752 1900 Hot Water Oil 1010 Single Fam 1.3 family ROEY, ROBERT P 28 Rich 18 3603 1481 1900 Hot Water Oil 1010 Single Fam 1.3 family SWIFT, SYLVIA M 40 Rich 18 3609 1481 1900 Hot Water Oil 1010 Single Fam 1.3 family GUAY, CLAUDE 23 Rich 18 2463 1440 1940 Hot Water Oil 1010 Single Fam 1.3 family GUAY, CLAUDE 23 Rich 18 2463 1480 1040 Water Oil 1040 TWO FAMILY 1.3 family CLOUTIER, HENRY 13 Spring 18 2320 1526 1880 Hot Water Oil 1010 Single Fam 1.3 family CLOUTIER, HENRY 13 Spring 18 2563 7	-	20	Rich		3576	1240	1900 H	ot Water	Oil	-	
COBBETT, DEBORAH M 21 Rich 1B 3054 1752 1900 Hot Water Oil 1010 Single Fam 1-3 family ROBY, ROBERT P 29 Rich 1B 3535 1116 1965 Hot Water Oil 1010 Single Fam 1-3 family SWIFT, SYLVIA M 0 Rich 1B 2609 1481 1900 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, RICHARD 28 Rich 1B 24612 1212 1353 Hot Water Oil 1010 Single Fam 1-3 family QLAY, CLAUDE 23 Rich 1B 24612 1212 1353 Hot Water Oil 1040 1700 Single Fam 1-3 family CLOUTER, HENRY 13 Spring 1B 2719 1281 1800 Hot Water Oil 1010 Single Fam 1-3 family O'BREN, KEVIN R 16 Spring 1B 3547 2262 1880 Hot Water Oil 1010 Single Fam 1-3 family GROVETON HOUSING CORP 6 Spring 1B	-	9	Rich	1B	3766	1426	1900 H	ot Air-no Duc	Gas	0	
ROBK, ROBERT P 29 Rich 18 3535 1116 1965 Hot Water Oil 1010 Single Fam 1-3 family SWIFT, SYLVIA M 40 Rich 1B 3609 144 1900 Hot Water Oil 1010 Single Fam 1-3 family GUAY, CLAUDE 23 Rich 1B 2463 1440 1940 Hot Water Oil 1010 Single Fam 1-3 family GUAY, CLAUDE 23 Rich 1B 2463 1440 1940 Hot Water Oil 1010 Single Fam 1-3 family CLOUTIER, HENRY 13 Spring 1B 3320 1526 1880 Hot Water Oil 1010 Single Fam 1-3 family VERUN R 183 Spring 1B 3320 1526 1880 Hot Water Oil 1010 Single Fam 1-3 family VERUN R 18 Spring 1B 3344 1686 1880 Hot Water Oil 1010 Single Fam 1-3 family GROVETON HOUSING CORP 6 Spring 1B 2567 1880 Hot Wat		21	Rich			1752	1900 H	ot Water	Oil	-	•
SWIFT, SYLVIA M 40 Rich 1B 369 1481 1900 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, RICHARD 28 Rich 1B 2463 1440 1940 Hot Water Oil 1010 Single Fam 1-3 family QUAY, CLAUDE 23 Rich 1B 2612 1212 135 Hot Water Oil 1010 Single Fam 1-3 family PRESCOTT, AME 12 Spring 1B 4676 285 1890 Steam Oil 1040 TWO FAMILY 1-3 family CLOUTTER, HENRY 13 Spring 1B 3719 128 1880 Hot Water Oil 1010 Single Fam 1-3 family O'BREEN, KEVIN R 16 Spring 1B 3537 2262 1880 Steam Oil 1010 Single Fam 1-3 family GROVETON HOUSING CORP 6 Spring 1B 2663 769 1965 Forced Hot Air Oil 1010 Single Fam 1-3 family LEIGHTON, WEN R. 84 State 1B 2608 <td< td=""><td>ROBY, ROBERT P</td><td>29</td><td>Rich</td><td>1B</td><td>3535</td><td>1116</td><td>1965 H</td><td>ot Water</td><td>Oil</td><td>5</td><td>•</td></td<>	ROBY, ROBERT P	29	Rich	1B	3535	1116	1965 H	ot Water	Oil	5	•
DUPUIS, RICHARD 28 Rich 18 243 1440 1940 Hot Water Oil 1010 Single Fam 1-3 family GUAY, CLAUDE 23 Rich 18 2612 1212 1935 Hot Water Oil 1010 Single Fam 1-3 family PRESCOTT, AMIE 12 Spring 18 4676 2658 1890 Steam Oil 1040 TWO FAMILY 1-3 family CLOUTIER, HENRY 13 Spring 18 32719 1289 1890 Hot Water Oil 1010 Single Fam 1-3 family O'BRIEN, KEVIN R 16 Spring 18 3944 1686 1880 Hot Water Oil 1010 Single Fam 1-3 family GROVETON HOUSING CORP 6 Spring 18 5397 2262 1880 Steam Oil 1010 Single Fam 1-3 family DUNN, VICKY 80 State 1 3304 1582 1995 Forced Hot Air Oil 1010 Single Fam 1-3 family DUNN, VICKY 80 State 1 2570 137	SWIFT, SYLVIA M	40	Rich		3609	1481	1900 H	ot Water	Oil	1010 Single Fam	1-3 family
PRESCOTT, AMIE 12 Spring 1B 4676 2858 1890 Steam Oil 1050 THŘEE FAM 1-3 familý CLOUTIER, HENRY 13 Spring 1B 3220 1526 1880 Hot Water Oil 1040 TWO FAMILY 1-3 familý O'BRIEN, KEVIN R 16 Spring 1B 3747 1289 1880 Hot Water Oil 1010 Single Fam 1-3 familý O'BRIEN, KEVIN R 16 Spring 1B 5397 262 1880 Steam Oil 1050 THREE FAM 1-3 family HARRISON, ANNA MARIE T 9 Spring 1B 5397 262 1880 Steam Oil 1050 THREE FAM 1-3 family GROVETON HOUSING COPP 6 Spring 1B 2562 1880 Steam Oil 1010 Single Fam 1-3 family LEIGHTON, OWEN R. 84 State 1B 2062 1326 1900 Hot Water Oil 1010 Single Fam 1-3 family BACOL, MARK L 162 State 1 2570 1374 <	-	28	Rich			1440	1940 H	ot Water		-	•
PRESCOTT, AMIE 12 Spring 1B 4676 2858 1890 Steam Oil 1050 THŘEE FAM 1-3 familý CLOUTIER, HENRY 13 Spring 1B 3220 1526 1880 Hot Water Oil 1040 TWO FAMILY 1-3 family O'BRIEN, KEVIN R 16 Spring 1B 374 168 1880 Hot Water Oil 1010 Single Fam 1-3 family O'BRIEN, KEVIN R 16 Spring 1B 3394 1686 1880 Hot Water Oil 1010 Single Fam 1-3 family GROVETON HOUSING CORP 6 Spring 1B 1263 7690 1986 Hot Water Oil 1010 Single Fam 1-3 family LEIGHTON, OWEN R. 84 State 1 304 1582 1955 Forced Hot Air Oil 1010 Single Fam 1-3 family BACON, MARK L 162 State 1 2570 1374 1952 Forced Hot Air Oil 1010 Single Fam 1-3 family BACON, MARK L 162 State 1 2570 </td <td>GUAY, CLAUDE</td> <td>23</td> <td>Rich</td> <td>1B</td> <td>2612</td> <td>1212</td> <td>1935 H</td> <td>ot Water</td> <td>Oil</td> <td>1010 Single Fam</td> <td>1-3 family</td>	GUAY, CLAUDE	23	Rich	1B	2612	1212	1935 H	ot Water	Oil	1010 Single Fam	1-3 family
CLOUTIER, HENRY 13 Spring 1B 3320 1526 1880 Hot Water Oil 1040 TWO FAMILY 1-3 family HELMS 1993 REVOCABLE TRUST, EV 18 Spring 1B 2719 1289 1800 Hot Water Oil 1010 Single Fam 1-3 family O'BRIEN, KEVIN R 16 Spring 1B 3344 1686 1880 Hot Water Oil 1010 Single Fam 1-3 family GROVETON HOUSING CORP 6 Spring 1B 1263 7690 1986 Hot Water Oil 1010 Single Fam 1-3 family GROVETON HOUSING CORP 6 Spring 1B 1263 7690 1986 Hot Water Oil 1010 Single Fam 1-3 family LEIGHTON, OWEN R. 84 State 1B 2008 924 1995 Forced Hot Air Oil 1010 Single Fam 1-3 family DUNN, VICKY 80 State 1B 2570 1374 1952 Forced Hot Air Oil 1010 Single Fam 1-3 family ARMSTRONG-CHARRON FUNERAL HOI 100 State<	-	12	Spring	1B	4676	2858	1890 St	team	Oil	5	
O'BRIEN, KEVIN R 16 Spring 1B 3944 1686 1880 Hot Water Oil 1010 Single Fam 1-3 family HARRISON, ANNA MARIE T 9 Spring 1B 5397 2262 1880 Steam Oil 1050 THREE FAM 1-3 family GROVETON HOUSING CORP 6 Spring 1B 12563 7690 1986 Hot Water Oil 1010 Single Fam 1-3 family LEIGHTON, OWEN R. 84 State 1B 2008 924 1995 Forced Hot Air Oil 1010 Single Fam 1-3 family DUNN, VICKY 80 State 1B 2008 924 1995 Forced Hot Air Oil 1010 Single Fam 1-3 family BACON, MARK L 162 State 1 2570 1374 1952 Forced Hot Air Oil 1010 Single Fam 1-3 family BARTLETT FAMILY TRUST UTD 158 State 1 1951 1042 1955 Hot Water Oil 1010 Single Fam 1-3 family ARMSTRONG-CHARRON FUNERALHOI 100 State	CLOUTIER, HENRY	13		1B	3320	1526	1880 H	ot Water	Oil	1040 TWO FAMILY	1-3 family
O'BRIEN, KEVIN R 16 Spring 1B 3944 1686 1880 Hot Water Oil 1010 Single Fam 1-3 family HARRISON, ANNA MARIE T 9 Spring 1B 5397 2262 1880 Steam Oil 1050 THREE FAM 1-3 family GROVETON HOUSING CORP 6 Spring 1B 12563 7690 1986 Hot Water Oil 1010 Single Fam 1-3 family LEIGHTON, OWEN R. 84 State 1B 2008 924 1995 Forced Hot Air Oil 1010 Single Fam 1-3 family DUNN, VICKY 80 State 1B 2008 924 1995 Forced Hot Air Oil 1010 Single Fam 1-3 family BACON, MARK L 162 State 1 2570 1374 1952 Forced Hot Air Oil 1010 Single Fam 1-3 family BARTLETT FAMILY TRUST UTD 158 State 1 1951 1042 1955 Hot Water Oil 1010 Single Fam 1-3 family ARMSTRONG-CHARRON FUNERALHOI 100 State	HELMS 1993 REVOCABLE TRUST, EV	18	Spring	1B	2719	1289	1890 H	ot Water	Oil	1010 Single Fam	1-3 family
HARRISON, ANNA MARIE T 9 Spring 1B 5397 2262 1880 Steam Oil 1050 THREE FAM 1-3 family GROVETON HOUSING CORP 6 Spring 1B 12663 7690 1986 Hot Water Oil 1120 APT OVER 8 Apt HOWARD, JEANNE C 271 State 1 3304 1582 1955 Forced Hot Air Oil 1010 Single Fam 1-3 family LEIGHTON, OWEN R. 84 State 1B 2008 924 1995 Forced Hot Air Oil 1010 Single Fam 1-3 family BACON, MARK L 162 State 1 2570 1374 1952 Forced Hot Air Oil 1010 Single Fam 1-3 family BARTLETT FAMILY TRUST UTD 158 State 1 1951 1042 1955 Hot Water Oil 1010 Single Fam 1-3 family ARMSTRONG-CHARRON FUNERAL HOI 100 State 1A 7936 4203 1900 Hot Water Oil 1010 Single Fam 1-3 family NORTHWAY BANK 3 State <		16				1686	1880 H	ot Water	Oil	1010 Single Fam	1-3 family
GROVETON HOUSING CORP 6 Spring 1B 12563 7690 1986 Hot Water Oil 1120 APT OVER 8 Apt HOWARD, JEANNE C 271 State 1 3304 1582 1955 Forced Hot Air Oil 1010 Single Fam 1-3 family LEIGHTON, OWEN R. 84 State 1B 2008 924 1995 Forced Hot Air Oil 1010 Single Fam 1-3 family DUNN, VICKY 80 State 1B 2852 1326 1900 Hot Water Oil 1010 Single Fam 1-3 family BACON, MARK L 162 State 1 2570 1374 1952 Forced Hot Air Oil 1010 Single Fam 1-3 family BARTLETT FAMILY TRUST UTD 158 State 1 1951 1042 1955 Hot Water Oil 1010 Single Fam 1-3 family ARMSTRONG-CHARRON FUNERAL HOI 100 State 1B 10520 3950 1975 Electric Electric 3550 FUNERAL HM Comm&Public NORTHWAY BANK 3 State <	HARRISON, ANNA MARIE T	9		1B	5397	2262	1880 St	team	Oil	-	
HOWARD, JEANNE C 271 State 1 3304 1582 1955 Forced Hot Air Oil 1010 Single Fam 1-3 family LEIGHTON, OWEN R. 84 State 1B 2008 924 1995 Forced Hot Air Oil 1030 Mobile Hom 1-3 family DUNN, VICKY 80 State 1B 2852 1326 1900 Hot Water Oil 1010 Single Fam 1-3 family BACON, MARK L 162 State 1 2570 1374 1952 Forced Hot Air Oil 1010 Single Fam 1-3 family BARTLETT FAMILY TRUST UTD 158 State 1 1951 1042 1955 Hot Water Oil 1010 Single Fam 1-3 family ARMSTRONG-CHARRON FUNERAL HOI 100 State 1B 10520 3950 1975 Electric Electric 3550 FUNERAL HM Comm&Public LEDUC SR, THOMAS J 12 State 1A 7045 4550 1930 Hot Water Oil 1010 Single Fam 1-3 family MILLIGAN, DANIEL R 83 State 1A 7045 4550 1930 Hot Water Oil 1010 Single Fam <td>GROVETON HOUSING CORP</td> <td>6</td> <td></td> <td></td> <td>12563</td> <td>7690</td> <td>1986 H</td> <td>ot Water</td> <td>Oil</td> <td>1120 APT OVER 8</td> <td>•</td>	GROVETON HOUSING CORP	6			12563	7690	1986 H	ot Water	Oil	1120 APT OVER 8	•
LEIGHTON, OWEN R. 84 State 1B 2008 924 1995 Forced Hot Air Oil 1030 Mobile Hom 1-3 family DUNN, VICKY 80 State 1B 2852 1326 1900 Hot Water Oil 1010 Single Fam 1-3 family BACON, MARK L 162 State 1 2570 1374 1952 Forced Hot Air Oil 1010 Single Fam 1-3 family BARTLETT FAMILY TRUST UTD 158 State 1 1951 1042 1955 Hot Water Oil 1010 Single Fam 1-3 family ARMSTRONG-CHARRON FUNERAL HOI 100 State 1B 10520 3950 1975 Electric Electric 3505 FUNERAL HM Comm&Public LEDUC SR, THOMAS J 12 State 1A 7936 4203 1900 Hot Water Oil 3410 BANK BLDG Comm&Public NORTHWAY BANK 3 State 1A 7045 4550 1930 Hot Water Oil 1010 Single Fam 1-3 family BUDDRIAS, URGEL 83 State<	HOWARD, JEANNE C	271		1	3304	1582	1955 Fo	orced Hot Air	Oil	1010 Single Fam	
BACON, MARK L162State1257013741952 Forced Hot AirOil1010 Single Fam1-3 familyBARTLETT FAMILY TRUST UTD158State1195110421955 Hot WaterOil1010 Single Fam1-3 familyARMSTRONG-CHARRON FUNERAL HOI100State1B1052039501975 ElectricElectric3550 FUNERAL HMComm&PublicLEDUC SR, THOMAS J12State1A793642031900 Hot WaterOil3220 STORE/SHOPComm&PublicNORTHWAY BANK3State1A704545501930 Hot WaterOil3410 BANK BLDGComm&PublicMILLIGAN, DANIEL R83State1B327818601900 Hot WaterOil1010 Single Fam1-3 familyBOUDRIAS, URGEL196State1402913291953 Hot WaterOil1010 Single Fam1-3 familyDALEY, DIANE CARON33State1A23535951965 Hot Air-no DucOil320 AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898 Hot WaterOil1040 TWO FAMILY1-3 familyCARON, RONALD G10State1A683838661890 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, BRADLEY E118State1A683838661890 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State12077102	LEIGHTON, OWEN R.	84	State	1B	2008	924	1995 Fo	orced Hot Air	Oil	1030 Mobile Hom	-
BACON, MARK L162State1257013741952 Forced Hot AirOil1010 Single Fam1-3 familyBARTLETT FAMILY TRUST UTD158State1195110421955 Hot WaterOil1010 Single Fam1-3 familyARMSTRONG-CHARRON FUNERAL HOI100State1B1052039501975 ElectricElectric3550 FUNERAL HMComm&PublicLEDUC SR, THOMAS J12State1A793642031900 Hot WaterOil3220 STORE/SHOPComm&PublicNORTHWAY BANK3State1A704545501930 Hot WaterOil3410 BANK BLDGComm&PublicMILLIGAN, DANIEL R83State1B327818601900 Hot WaterOil1010 Single Fam1-3 familyBOUDRIAS, URGEL196State1402913291953 Hot WaterOil1010 Single Fam1-3 familyDALEY, DIANE CARON33State1A23535951965 Hot Air-no DucOil320 AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898 Hot WaterOil1040 TWO FAMILY1-3 familyCARON, RONALD G10State1A683838661890 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, BRADLEY E118State1A683838661890 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State12077102	DUNN, VICKY	80	State		2852	1326	1900 H	ot Water	Oil	1010 Single Fam	1-3 family
BARTLETT FAMILY TRUST UTD158State1195110421955 Hot WaterOil1010 Single Fam1-3 familyARMSTRONG-CHARRON FUNERAL HOI100State1B1052039501975 ElectricElectric3550 FUNERAL HMComm&PublicLEDUC SR, THOMAS J12State1A793642031900 Hot WaterOil3220 STORE/SHOPComm&PublicNORTHWAY BANK3State1A704545501930 Hot WaterOil3410 BANK BLDGComm&PublicMILLIGAN, DANIEL R83State1B327818601900 Hot WaterOil1010 Single Fam1-3 familyBOUDRIAS, URGEL196State1402913291953 Hot WaterOil1010 Single Fam1-3 familyDALEY, DIANE CARON33State1A23535951965 Hot Air-no DucOil3320 AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898 Hot WaterOil1040 TWO FAMILY1-3 familyCARON, RONALD G10State1A683838661890 Hot WaterOil3030 PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State115827811955 Floor FurnaceGas1010 Single Fam1-3 family	BACON, MARK L	162	State	1	2570	1374	1952 Fo	orced Hot Air	Oil	-	
ARMSTRONG-CHARRON FUNERAL HOI100State1B1052039501975ElectricElectric3550FUNERAL HMComm&PublicLEDUC SR, THOMAS J12State1A793642031900Hot WaterOil3220STORE/SHOPComm&PublicNORTHWAY BANK3State1A704545501930Hot WaterOil3410BANK BLDGComm&PublicMILLIGAN, DANIEL R83State1B327818601900Hot WaterOil1010Single Fam1-3 familyBOUDRIAS, URGEL196State1402913291953Hot WaterOil1010Single Fam1-3 familyDALEY, DIANE CARON33State1A23535951965Hot Air-no DucOil3320AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898Hot WaterOil1040TWO FAMILY1-3 familyCARON, RONALD G10State1A683838861890Hot WaterOil3030PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920Hot WaterOil1010Single Fam1-3 familyCRAWFORD, RITA182State115827811955Floor FurnaceGas1010Single Fam1-3 family	BARTLETT FAMILY TRUST UTD	158	State	1		1042	1955 H	ot Water	Oil	5	
NORTHWAY BANK3State1A704545501930 Hot WaterOil3410 BANK BLDGComm&PublicMILLIGAN, DANIEL R83State1B327818601900 Hot WaterOil1010 Single Fam1-3 familyBOUDRIAS, URGEL196State1402913291953 Hot WaterOil1010 Single Fam1-3 familyDALEY, DIANE CARON33State1A23535951965 Hot Air-no DucOil3320 AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898 Hot WaterOil1040 TWO FAMILY1-3 familyCARON, RONALD G10State1A683838861890 Hot WaterOil3030 PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State115827811955 Floor FurnaceGas1010 Single Fam1-3 family	ARMSTRONG-CHARRON FUNERAL HO	100	State	1B	10520	3950	1975 El	lectric	Electric	-	Comm&Public
MILLIGAN, DANIEL R83State1B327818601900 Hot WaterOil1010 Single Fam1-3 familyBOUDRIAS, URGEL196State1402913291953 Hot WaterOil1010 Single Fam1-3 familyDALEY, DIANE CARON33State1A23535951965 Hot Air-no DucOil3320 AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898 Hot WaterOil1040 TWO FAMILY1-3 familyCARON, RONALD G10State1A683838861890 Hot WaterOil3030 PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State115827811955 Floor FurnaceGas1010 Single Fam1-3 family	LEDUC SR, THOMAS J	12	State	1A	7936	4203	1900 H	ot Water	Oil	3220 STORE/SHOP	Comm&Public
MILLIGAN, DANIEL R83State1B327818601900 Hot WaterOil1010 Single Fam1-3 familyBOUDRIAS, URGEL196State1402913291953 Hot WaterOil1010 Single Fam1-3 familyDALEY, DIANE CARON33State1A23535951965 Hot Air-no DucOil3320 AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898 Hot WaterOil1040 TWO FAMILY1-3 familyCARON, RONALD G10State1A683838861890 Hot WaterOil3030 PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State115827811955 Floor FurnaceGas1010 Single Fam1-3 family	NORTHWAY BANK	3	State	1A	7045	4550	1930 H	ot Water	Oil	3410 BANK BLDG	Comm&Public
DALEY, DIANE CARON33State1A23535951965 Hot Air-no DucOil3320 AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898 Hot WaterOil1040 TWO FAMILY1-3 familyCARON, RONALD G10State1A683838861890 Hot WaterOil3030 PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State115827811955 Floor FurnaceGas1010 Single Fam1-3 family	MILLIGAN, DANIEL R	83	State	1B	3278	1860	1900 H	ot Water	Oil	1010 Single Fam	1-3 family
DALEY, DIANE CARON33State1A23535951965 Hot Air-no DucOil3320 AUTO REPRComm&PublicDALEY, DIANE CARON58State1A479327601898 Hot WaterOil1040 TWO FAMILY1-3 familyCARON, RONALD G10State1A683838861890 Hot WaterOil3030 PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State115827811955 Floor FurnaceGas1010 Single Fam1-3 family	-	196	State	1	4029	1329	1953 H	ot Water	Oil	U	2
CARON, RONALD G10State1A683838861890 Hot WaterOil3030 PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State115827811955 Floor FurnaceGas1010 Single Fam1-3 family		33	State	1A		595	1965 H	ot Air-no Duc	Oil	5	-
CARON, RONALD G10State1A683838861890 Hot WaterOil3030 PROF/APTSComm&PublicCRAWFORD, BRADLEY E118State1207710291920 Hot WaterOil1010 Single Fam1-3 familyCRAWFORD, RITA182State115827811955 Floor FurnaceGas1010 Single Fam1-3 family	DALEY, DIANE CARON	58	State	1A	4793	2760	1898 H	ot Water	Oil	1040 TWO FAMILY	1-3 family
CRAWFORD, BRADLEY E 118 State 1 2077 1029 1920 Hot Water Oil 1010 Single Fam 1-3 family CRAWFORD, RITA 182 State 1 1582 781 1955 Floor Furnace Gas 1010 Single Fam 1-3 family		10	State	1A		3886	1890 H	ot Water	Oil	3030 PROF/APTS	
	•	118		1		1029					
	CRAWFORD, RITA	182	State	1	1582	781	1955 FI	oor Furnace	Gas	1010 Single Fam	1-3 family
	TRIO PONDS INVESTMENTS LLC	149	State	1	52866	26065	2004 H	ot Water	Oil	3220 STORE/SHOP	Comm&Public

Owner's Name	Street No	o Street Name	Area	Bldg Area Gros: Bldg Are	ea Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
EMERSON, JAMES H	50	State	1A	5523	2640	1893	Hot Water	Oil	1010 Single Fam	1-3 family
EMERSON & SON INC	43	State	1A	35353	24912	1930	Hot Water	Oil	3220 STORE/SHOP	Comm&Public
EMERY, STANLEY	75	State	1B	5829	2990	1900	Hot Water	Oil	1050 THREE FAM	1-3 family
EVERLETH, WILLIAM S	90	State	1B	3253	1501	1911	Hot Water	Oil	1010 Single Fam	1-3 family
DTC PROPERTIES	332-334	State	1	6000	3000	1988	Forced Hot Air	Oil	3320 AUTO REPR	Comm&Public
GIBSON, JAMES R, SR	192	State	1	2091	960	1945	Hot Water	Oil	1010 Single Fam	1-3 family
WEEKS, DEBORAH M (KEDDY)	274	State	1	1200	600	1995	None	Coal or Wood	3330 FUEL SV/PR	Comm&Public
MORTENSEN, ERIC P	79	State	1B	2615	1722		Hot Water	Oil	1010 Single Fam	1-3 family
HARTLEN, GARY Z	178	State	1	2813	1572	1955	Forced Hot Air	Oil	1010 Single Fam	1-3 family
CROSS, MICHAEL A	279	State	1	2700	1350	2000	Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
CARON, RONALD G	7	State	1A	3604	2160	1892	Hot Water	Oil	3030 PROF/APTS	Comm&Public
STONE, WALTER A	14	State	1A	2793	2697		Hot Water	Oil	3260 REST/CLUBS	Comm&Public
GIROUARD, SHERI	55	State	1A	5370	2912		Hot Water	Oil	1040 TWO FAMILY	1-3 family
FLEURY, FREDERICK NORMAN	163	State	1	2088	980		Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
DREYER, HENRY H	27	State	1A	5163	2756		Hot Water	Oil	1110 APT 4-UNT	Apt
TILLEY, ANITA	34	State	1A	6538	2372		Hot Water	Oil	1010 Single Fam	1-3 family
MILES, HERBERT	32	State	1A	6122	3024		Hot Water	Oil	1040 TWO FAMILY	1-3 family
HODGE, MICHAEL C	96	State	1B	2234	1061		Hot Water	Oil	1010 Single Fam	1-3 family
MARSHALL, TIMOTHY	152	State	1	2333	1754		Hot Water	Oil	1010 Single Fam	1-3 family
PERRAS SELF STORAGE LLC	102	State	1B	4800	2400		None	Coal or Wood	3222 COMM BLDG	Comm&Public
MAYHEW, ROBERT	6	State	1A	8394	5136		Hot Water	Oil	3400 OFFICE BLD	Comm&Public
EMERSON, JAMES H	164	State	1	2836	1296		Hot Water	Oil	1010 Single Fam	1-3 family
VERIZON	23	State	1A	3910	1916		None	Coal or Wood	4022 IND BLDG	Comm&Public
STEWART FAMILY TRUST, WM & JOA	19	State	1A	8443	5186		Hot Water	Oil	1110 APT 4-UNT	Apt
GONYER MELINDA	92	State	1B	2502	1143		Hot Water	Oil	1010 Single Fam	1-3 family
PARKS, ARTHUR L	88	State	1B	4209	1495		Hot Water	Oil	1010 Single Fam	1-3 family
PARKS, TRAVIS J	128	State	1	2180	1074		Hot Water	Oil	1010 Single Fam	1-3 family
GROLEAU, REAL	56	State	1A	4299	2352		Hot Water	Oil	1010 Single Fam	1-3 family
MORRISON, JOSHUA D	50 54	State	1A	3658	2715		Steam	Oil	1010 Single Fam	1-3 family
ROCHEFORT, RICHARD J	18	State	1A	2925	1425		Forced Hot Air	Oil	3220 STORE/SHOP	Comm&Public
RUSS-STROUT, DORIS L	174	State	1	3380	1423		Hot Water	Oil	1010 Single Fam	1-3 family
MURPHY REALTY COMPANY INC.	24	State	1A	17895	8943		Forced Hot Air	Gas	3240 SUPERMKT	Comm&Public
ROBINSON, FREDERICK G	24 17	State	1A	5305	3016		Hot Water	Oil	1010 Single Fam	1-3 family
FEB REALTY LLC	16	State	1A	9412	7149		Hot Water	Oil	3220 STORE/SHOP	Comm&Public
PASSUMPSIC BANK	40	State	1A	4941	2979		Forced Hot Air	Oil	3410 BANK BLDG	Comm&Public
	40 144	State	1	2389			Hot Water	Oil	1010 Single Fam	
			1		1175				0	1-3 family
	201	State	1	2718	1176		Hot Water	Oil	1010 Single Fam	1-3 family
SMITH, VERA	142	State		2734	1404		Forced Hot Air	Oil	1010 Single Fam	1-3 family
CARON, RONALD G	8	State	1A	2181	1083		Floor Furnace	Oil	3220 STORE/SHOP	Comm&Public
SHOSA, JEREMY A	36	State	1A	7833	2928		Hot Water	Oil	1010 Single Fam	1-3 family
SCIARAPPA, ARTHUR	9	State	1A	9798	6400		Hot Water	Oil	3222 COMM BLDG	Comm&Public
ROGERS, R/LAPOINT S/STINSON P	29	State	1A	3150	1994		Hot Water	Oil	1010 Single Fam	1-3 family
WILLIAMS, PALTON	93	State	1B	5964	3115		Hot Water	Oil	1110 APT 4-UNT	Apt
SCOTT, ALICE	337	State	1	3480	1260		Hot Water	Oil	1010 Single Fam	1-3 family
GRAY, GORDON	361	State	1	2348	936		Hot Water	Oil	1010 Single Fam	1-3 family
LEWIS, ARCHIE L JR	184	State	1	2376	1188		Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
NILES, TERRY L	53	State	1A	2279	1163	1920	Hot Water	Oil	1010 Single Fam	1-3 family

Owner's Name	Street N	o Street Name	Area B	Idg Area Gros: Bldg Ar	ea Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
AMERICAN LEGION	206	State	1	9205	4536	1963	3 Hot Water	Oil	9200 NON PROFIT MDL-94	4 Comm&Public
NORTHUMBERLAND, TOWN OF	76	State	1B	2967	1380	1954	1 None	Coal or Wood	903C MUNICPAL MDL-94	Comm&Public
NORTHUMBERLAND SCHOOL DIST	65	State	1A	89250	56010	1987	7 Hot Water	Oil	9033 PUB-SCHOOL MDL-9	Comm&Public
ST FRANCIS XAVIER	11	State	1A	6228	5593	1899	9 Forced Hot Air	Oil	9060 CHURCH ETC MDL-9	Comm&Public
ST FRANCIS XAVIER	28	State	1A	27212	11250	1964	1 Hot Water	Oil	9060 CHURCH ETC MDL-9	Comm&Public
RAINBOW CONNECTION LLC	248	State	1	12600	6300	1995	5 Forced Hot Air	Gas	3140 TRK TERM	Comm&Public
WOODWARD, ERIC J	233	State	1	3782	1800	1985	5 Hot Water	Oil	1010 Single Fam	1-3 family
NORTHUMBERLAND, TOWN OF	31	State	1A	4310	2120	1970) Hot Water	Oil	903C MUNICPAL MDL-94	Comm&Public
GUYETTE, LINDA	10	Summer	1B	3218	1932	1900) Hot Water	Oil	1040 TWO FAMILY	1-3 family
COTTER, SIMONNE	13	Summer	1B	3964	1448	1900) Forced Hot Air	Oil	1010 Single Fam	1-3 family
FORTUCCI, CURTIS J	20	Summer	1B	2124	1264	1950) Forced Hot Air	Oil	1010 Single Fam	1-3 family
BENOIT, RAYMOND A	23	Summer	1B	1772	822	1920) Forced Hot Air	Oil	1010 Single Fam	1-3 family
HART TRUST, THE LILLIAN M	8	Summer	1B	2846	1331	1900) Hot Water	Oil	1010 Single Fam	1-3 family
SAVAGE, TIMOTHY	14	Summer	1B	6152	1829	1850) Hot Water	Oil	1010 Single Fam	1-3 family
KONDZELA, MICHAEL A	18	Summer	1B	1207	540	1935	5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
GUYETTE, RENE L	12	Summer	1B	2642	1005	1900) Hot Water	Oil	1010 Single Fam	1-3 family
CONNARY, BRYAN	19	Summer	1B	2140	660	1930) Floor Furnace	Oil	1010 Single Fam	1-3 family
SHUFELT FAMILY TRUST	21	Summer	1B	1660	800) Forced Hot Air	Oil	1010 Single Fam	1-3 family
BRASSEUR, ALAN Y	14	West	1B	5536	3020) Forced Hot Air	Oil	1050 THREE FAM	1-3 family
BOUDLE, STEVEN I	29	West	1B	3624	1943		B Hot Water	Oil	1010 Single Fam	1-3 family
BENNETT, JAMES JR	8	West	1B	10452	4999	1900) Hot Water	Oil	1110 APT 4-UNT	Apt
PATRY, RICHARD R	35	West	1B	2520	1440) Hot Water	Oil	1010 Single Fam	1-3 family
GRIMES, LISA (SIMONDS)	12	West	1B	3182	1902) Hot Water	Oil	1010 Single Fam	1-3 family
CLOUTIER, LORENZO J	26	West	1B	5345	3183) Hot Water	Oil	1050 THREE FAM	1-3 family
CRAGGY, PAULINE	32	West	1B	7612	3449) Hot Water	Oil	1050 THREE FAM	1-3 family
TREAMER, WALTER W	19	West	1B	3994	1701		5 Hot Water	Oil	1010 Single Fam	1-3 family
MILES, HERBERT	2	West	1B	2216	1028		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HART, KATHRYN	60	West	1B	4072	1566) Hot Water	Oil	1010 Single Fam	1-3 family
CRAGGY, BARRY	28	West	1B	3037	1443) Hot Water	Oil	1010 Single Fam	1-3 family
JOHNSON, STANFORD	20	West	1B	2573	1240		2 Hot Water	Oil	1010 Single Fam	1-3 family
CHRISTIANSEN, JUD	23	West	1B	3555	1650) Hot Water	Oil	1010 Single Fam	1-3 family
EMERSON, BRIAN	17	West	1B	4902	1972		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
PAQUETTE, CHRISTOPHER A	7	West	1B	3888	1665) Hot Water	Oil	1010 Single Fam	1-3 family
DOYON, THOMAS	52	West	1B	2433	1450) Hot Water	Oil	1010 Single Fam	1-3 family
MARSHALL, RICHARD L	18	West	1B	3596	2080		2 Hot Water	Oil	1010 Single Fam	1-3 family
KEDDY, BRUCE E	11	West	1B	3568	1529) Hot Water	Oil	1010 Single Fam	1-3 family
POTTER REVOCABLE TRUST, 1998 H	27	West	1B	3353	1750		6 Hot Water	Oil	1010 Single Fam	1-3 family
BATCHELDER, SUZANNE	31	West	1B	2400	588		6 Hot Water	Oil	1010 Single Fam	1-3 family
WILSON, PAUL E	9	West	1B	4216	1573) Steam	Oil	1010 Single Fam	1-3 family
COLLINS, CATHY	56	West	1B	2256	1080) Hot Water	Oil	1010 Single Fam	1-3 family
MASON, SANDRA	7	Arlington	1A	4849	2208) Hot Water	Oil	1010 Single Fam	1-3 family
COLEBANK, WILLIAM	30	Preble	1A	3823	1843) Hot Water	Oil	1040 TWO FAMILY	1-3 family
CRAWFORD-BATT, DIANE	3	Preble	1A	3284	1488) Forced Hot Air	Oil	1010 Single Fam	1-3 family
HURLBUTT, BRIAN C	18	Preble	1A	2396	1400) Hot Water	Oil	1010 Single Fam	1-3 family
GILBERT, MARGUERITE R	4	Preble	1A	2970	1768) Hot Water	Oil	1010 Single Fam	1-3 family
HAWKSLEY, LEE	14	Preble	1A	4198	1343) Hot Water	Oil	1010 Single Fam	1-3 family
BRANN, SUSAN	2	Preble	1A	3409	1540) Hot Water	Oil	1010 Single Fam	1-3 family
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Owner's Name	Street No	Street Name	Area Bl	dg Area Gros: Bldg	Area Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
GOULD, BRYANT	6	Preble	1A	3510	2253	1900	Hot Water	Oil	1010 Single Fam	1-3 family
YOUNG, THOMAS J	10	Preble	1A	5902	2866	1950	Hot Water	Oil	1040 TWO FAMILY	1-3 family
LADD, CARL M	24	Preble	1A	3908	2151	1920	Hot Water	Oil	1010 Single Fam	1-3 family
CRAWFORD, CALVIN B	26	Preble	1A	4519	2578	1900	Hot Water	Oil	1010 Single Fam	1-3 family
SHANNON, IVAN	25	Preble	1A	3373	1568	1900	Hot Water	Oil	1010 Single Fam	1-3 family
HILL, LORI (GILL)	16	Preble	1A	2780	1762	1890	Hot Water	Oil	1010 Single Fam	1-3 family
SHOFF, EVELYN	8	Preble	1A	5965	3216	1890	Hot Water	Oil	1040 TWO FAMILY	1-3 family
DUNN JT TEN, ALASTAIR	5	Preble	1A	3460	1590	1890	Forced Hot Air	Oil	1010 Single Fam	1-3 family
YOUNG, THOMAS J	22	Preble	1A	3890	2148	1890	Hot Water	Oil	1010 Single Fam	1-3 family
NORTHUMBERLAND SCHOOL DIST	15	Preble	1A	3780	1595	1890	Hot Water	Gas	903C MUNICPAL MDL-94	Comm&Public
NO NAME	7	Preble	1A		1778	1915	6 Hot Water	Oil	1010 Single Fam	1-3 family
NO NAME	36	Preble	1A		1778	1915	6 Hot Water	Oil	1010 Single Fam	1-3 family
DOHERTY, LAWRENCE	11	Bearce	2	1557	648	1920) None	Coal or Wood	1010 Single Fam	1-3 family
BROWN, STEPHEN	5	Bearce	2	4981	2600	1910	Hot Water	Oil	1010 Single Fam	1-3 family
WARD, DAVID	7	Bearce	2	1891	1047	100) Floor Furnace	Gas	1010 Single Fam	1-3 family
YOUNG, THOMAS J	13	Cottage	2	2514	1344	1940	Hot Water	Oil	1040 TWO FAMILY	1-3 family
PICO, BRIDGET A	28	Cottage	2	2048	924	1994	Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
KRUPULA, ARNIE E SR	5	Cottage	2	1823	924	1900	Forced Hot Air	Oil	1010 Single Fam	1-3 family
ROBERGE, ROLAND	3	Cottage	2	2351	1362	1917	' Forced Hot Air	Oil	1010 Single Fam	1-3 family
MARTIN, CHRISTOPHER	25	Cottage	2	3472	1560	1989	Hot Water	Oil	1010 Single Fam	1-3 family
STINSON, COREY A	20	Cottage	2	2301	1008	1980	Hot Water	Oil	1010 Single Fam	1-3 family
BARTLETT, KENNETH	24	Crow Hill	2	2040	1008	1977	' Hot Water	Oil	1010 Single Fam	1-3 family
FONTAINE, RICHARD M	16	Crow Hill	2	2413	1144	1959	Hot Water	Oil	1010 Single Fam	1-3 family
DUNHAM, LESLIE	42	Crow Hill	2	3030	1170	1950	Hot Water	Oil	1010 Single Fam	1-3 family
FONTAINE, ALBERT	46	Crow Hill	2	2438	1564	1964	Forced Hot Air	Oil	1010 Single Fam	1-3 family
DEFOSSE, JILLIAN P	45	Crow Hill	2	3812	1511	1920	Hot Water	Oil	1010 Single Fam	1-3 family
HARTLEN, DONALD	30	Crow Hill	2	1965	950	1971	Hot Water	Oil	1010 Single Fam	1-3 family
HUTCHINSON REVOC TRUST, DONALD	41	Crow Hill	2	1728	804	1976	Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
KENNEY, THOMAS W	59	Crow Hill	2	3719	1368	1955	Hot Water	Oil	1010 Single Fam	1-3 family
HOPPS, LINDA KING	6	Crow Hill	2	2287	960	1984	Hot Water	Oil	1010 Single Fam	1-3 family
LANGLOIS, DONALD	22	Crow Hill	2	3823	1538	1970	Hot Water	Oil	1010 Single Fam	1-3 family
MASON, PAUL E	32	Crow Hill	2	2360	1060	1970	Hot Water	Oil	1010 Single Fam	1-3 family
CARON, ROLAND SR	31	Crow Hill	2	3593	984	1960	Forced Hot Air	Oil	1010 Single Fam	1-3 family
TILTON, CHANNIE	58	Crow Hill	2	2615	1856	1916	6 Hot Water	Oil	1010 Single Fam	1-3 family
TISDALE, CECIL	12	Crow Hill	2	2874	1312	1972	2 Hot Water	Oil	1010 Single Fam	1-3 family
FRECHETTE, LOUIS	25	Cumberland	2	3558	1871	1890	Hot Water	Oil	1010 Single Fam	1-3 family
BENOIT, JERRY	51	Cumberland	2	3901	1762	1890	Forced Hot Air	Oil	1010 Single Fam	1-3 family
MORRIS, KIMBERLY	23	Cumberland	2	2924	1258	1870	Hot Water	Oil	1010 Single Fam	1-3 family
GAUDETTE, RUTH	43	Cumberland	2	1474	671	1939	Hot Water	Oil	1010 Single Fam	1-3 family
GILCRIS, TRACY	69	Cumberland	2	2225	660	1900	Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
SAVAGE, KEITH	11	Cumberland	2	2520	1170	1890	Hot Water	Oil	1010 Single Fam	1-3 family
MALAS, CHARAY A	9	Cumberland	2	3773	1918	1900	Hot Water	Oil	1010 Single Fam	1-3 family
TIPPITT, GLEN E	53	Cumberland	2	1969	922	1900	Hot Water	Oil	1010 Single Fam	1-3 family
GOSSELIN, BRIAN D	3	Cumberland	2	4373	2089	1930	Hot Air-no Duc	Coal or Wood	3320 AUTO REPR	Comm&Public
BLANCHETTE, TIMOTHY A	57	Cumberland	2	2904	1466	1890	Forced Hot Air	Oil	1010 Single Fam	1-3 family
NOUGIAS TRUST, BRENDA C	71 & 73	Cumberland	2	3341	1790	1890	Hot Water	Oil	1010 Single Fam	1-3 family
WEMYSS JR REVOC. TRUST, JAMES		Cumberland	2	7655	4119	1967	' Hot Water	Oil	1010 Single Fam	1-3 family

District heating project in Groveton, New Hampshire

Owner's Name	Street N	lo Street Name	Area Bld	g Area Gros: Bldg A	rea Living	Ayb Heat Type Des	c Heat Fuel Desc	Use Code Use Descript	Utilization Grp
WHITE, CASSANDRA A	13	Cumberland	2	1821	1313	1927 Hot Water	Oil	1010 Single Fam	1-3 family
WILD RIVER CORP.	459	Cumberland	2	5076	2538	1965 None	Coal or Wood	3541 AIRPORT	Comm&Public
WEMYSS JR REVOC. TRUST, JAMES	281	Cumberland	2	7197	3820	1992 Hot Water	Oil	1010 Single Fam	1-3 family
BOUTIN, KENNETH M	47	Cumberland	2	2557	1253	1890 Hot Water	Oil	1010 Single Fam	1-3 family
COVELL, THOMAS	84	First	2	3750	1662	1967 Hot Water	Oil	1010 Single Fam	1-3 family
SHANNON, JOANNE M	30	First	2	2234	1157	1896 Hot Water	Oil	1010 Single Fam	1-3 family
SWIFT, MICHAEL P	8	First	2	2387	900	1900 Hot Water	Oil	1010 Single Fam	1-3 family
BALL, SHERRI L	73	First	2	1012	506	1920 Forced Hot Air	Oil	1010 Single Fam	1-3 family
GAGNON, EVELYN	60	First	2	1712	760	1971 Forced Hot Air	Oil	1010 Single Fam	1-3 family
ALDRICH, ROGER	46	First	2	2478	950	1950 Hot Water	Oil	1010 Single Fam	1-3 family
LEDGER, STEWART A	50	First	2	2080	912	1976 Hot Water	Oil	1010 Single Fam	1-3 family
BARBARA REYNOLDS	40	First	2	2418	1116	1950 Hot Water	Oil	1010 Single Fam	1-3 family
CLAUSS, ASHLEY R	72	First	2	2908	1904	1986 Hot Water	Oil	1010 Single Fam	1-3 family
COOKSON, SARA	5	First	2	2768	1060	1960 Hot Water	Oil	1010 Single Fam	1-3 family
MEUNIER, JOSHUA D	63	First	2	1988	964	1900 Hot Water	Oil	1010 Single Fam	1-3 family
WOODWARD, TIMOTHY	11	First	2	6778	4756	1890 Hot Water	Oil	1010 Single Fam	1-3 family
AUDIT, MARIO J	23	First	2	3528	1632	2005 Hot Water	Oil	1010 Single Fam	1-3 family
ST CYR, RICHARD	29	First	2	2224	1300	1897 Hot Water	Oil	1010 Single Fam	1-3 family
THERIAULT, ARLENE E D	56	First	2	2700	1248	1942 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HAAS, JULIE M	57	First	2	2360	1240	1947 Hot Water	Oil	1010 Single Fam	1-3 family
LAVIGNE, PATRICK	49	First	2	3620	2016	1947 Hot Water	Oil	1040 TWO FAMILY	1-3 family
LAMBERT, LEE	43 74	First	2	2401	1381	1900 Hot Water	Oil	1010 Single Fam	1-3 family
ANNIS, RUSSELL O	6	Fiske	2	2401	1133	1890 Hot Water	Oil	1010 Single Fam	1-3 family
BROEK, ETHEL	8	Fiske	2	1972		1890 Forced Hot Air	Oil	1010 Single Fam	
STONE, SEATON	0 4	Fiske	2	2270	1416 1076	1978 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
ORDWAY, NEIL	4 13	Fiske	2	2420	816	1940 Hot Water	Oil	1010 Single Fam	1-3 family 1-3 family
	13	Fiske	2	4736	2284	1884 Hot Water	Oil	1040 TWO FAMILY	•
LAFLAMME, ROLAND H	7		2						1-3 family
REYNOLDS, BRIAN K	7 14	Fiske		2580	900	1940 Hot Water	Oil	1010 Single Fam	1-3 family
GAUDETTE, THOMAS		Fiske	2	2367	1307	1936 Hot Water	Oil	1010 Single Fam	1-3 family
MORSE, JAMES	10	Fiske	2	1756	952	1936 Forced Hot Air	Oil	1010 Single Fam	1-3 family
	14	Goulet	2	3694	2173	1900 Forced Hot Air	Oil	1040 TWO FAMILY	1-3 family
HYSLOP, RUTH E	4	Goulet	2	1680	680	1942 Hot Water	Oil	1010 Single Fam	1-3 family
BOWMAN PROPERTIES, LLC	12	Goulet	2	2188	1117	1940 Floor Furnace	Gas	1010 Single Fam	1-3 family
ROBY, FRANCIS E	13	Goulet	2	2524	1176	1890 Floor Furnace	Gas	1010 Single Fam	1-3 family
WHITTUM, PATRICK C	8	Goulet	2	1008	1008	1920 None	Coal or Wood	1010 Single Fam	1-3 family
TILLEY, ANITA	6	Goulet	2	1889	819	1920 Forced Hot Air	Oil	1010 Single Fam	1-3 family
MARSHALL, GARY D	6	Graham	2	3372	2016	1975 Hot Water	Oil	1010 Single Fam	1-3 family
BENOIT, LAWRENCE	61	Graham	2	3280	1198	1968 Hot Water	Oil	1010 Single Fam	1-3 family
ADAIR, DEBORAH J	77	Graham	2	4131	1649	1920 Hot Water	Oil	1010 Single Fam	1-3 family
WATSON, GARY R	43	Graham	2	2289	1137	1968 Hot Water	Oil	1010 Single Fam	1-3 family
DOOLAN, MICHAEL J	13	Graham	2	2400	960	1979 Hot Water	Oil	1010 Single Fam	1-3 family
KENISON, DONALD G JR	48	Graham	2	2847	1292	1940 Forced Hot Air	Oil	1010 Single Fam	1-3 family
WATSON, RICHARD P	33	Graham	2	3737	2555	1965 Hot Water	Oil	1010 Single Fam	1-3 family
MARSHALL, STANLEY	71	Graham	2	1547	684	1900 Forced Hot Air	Oil	1010 Single Fam	1-3 family
ALCANTARA, ALEX	65	Graham	2	4104	2052	1995 Forced Hot Air	Gas	1030 Mobile Hom	1-3 family
HAMILTON, DAVID H	21	Graham	2	3272	1760	1986 Hot Water	Oil	1010 Single Fam	1-3 family
HAND, DONALD W	60	Graham	2	4011	1500	1975 Hot Water	Oil	1010 Single Fam	1-3 family

HAND, RANDY 72 Graham 2 2894 920 1805 holk Mater Oil 1010 Single Fam. 1.3 family BISHOP, CATHERINE HUTCHINSON 16 Graham 2 1625 896 1377 Forced Hot Air Oil 1030 Mobile Hom 1.3 family ROBY, SCOTT A 67 Graham 2 1262 188 1889 Hot Water Oil 1030 Mobile Hom 1.3 family CORRELL, FRANK 24 Graham 2 1982 1988 Hot Water Oil 1030 Mobile Hom 1.3 family ADAMS, WAVA CLARK 10 Grandview 2 2164 900 1973 Forced Hot Air Oil 1010 Single Fam. 1.3 family LAUGRE, RICHARD 2 2562 1230 1973 Forced Hot Air Oil 1010 Single Fam. 1.3 family LEDGER, GREGORY 30 Grandview 2 2554 1900 1925 Forced Hot Air Oil 1010 Single Fam. 1.3 family ROBINSON, MARCIA 17 Grandview 2 2588 1289 Forced Hot Air </th <th>Owner's Name</th> <th>Street N</th> <th>No Street Name</th> <th>Area</th> <th>Bldg Area Gros: Bldg Area I</th> <th>_iving</th> <th>Ayb</th> <th>Heat Type Desc</th> <th>Heat Fuel Desc</th> <th>Use Code Use Descript</th> <th>Utilization Grp</th>	Owner's Name	Street N	No Street Name	Area	Bldg Area Gros: Bldg Area I	_iving	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
ROBY, SCOTT A 67 Graham 2 1625 896 1707 Forcad Hot Air Oli 1303 Mabile Hom 1.3 family PLATT, REVOCABLE TRUST, CORNE 40 Graham 2 1992 194 1988 Forcad Hot Air Oli 1010 Single Fam 1.3 family BROOKS, RJ., TEN, PHILBERT 10 Grandview 2 2244 960 1975 Hot Water Oli 1010 Single Fam 1.3 family LANGKE, RICHARD J 6 Grandview 2 2534 960 1984 Hot Water Oli 1010 Single Fam 1.3 family LAUGKE, RICHARD J 26 Grandview 2 2534 960 1984 Hot Water Oli 1010 Single Fam 1.3 family ROBINSON, MARCIA 3 Grandview 2 2538 1230 1985 Hot Water Oli 1010 Single Fam 1.3 family RODOS, RICY, ALLEN 7 Grandview 2 3288 1248 1975 Hot Water Oli 1010 Single Fam 1.3 family RODOS, RICY, ALLEN 7 Grandview	HAND, RANDY	72	Graham	2	2894	920	19			1010 Single Fam	1-3 family
PLAT REVOCABLE TRUST, CORINE 40 Graham 2 3204 118 1988 Hot Water Oil 1010 Single Fam 1-3 family CORRELL, FRANK 23 Grandview 2 2244 1026 1961 Forced Hot Air Oil 1030 Single Fam 1-3 family BROOKS JR. JT TEN, PHILBERT 23 Grandview 2 2154 960 1975 How Water Oil 1010 Single Fam 1-3 family JAMAS, WAY CLARK 6 Grandview 2 2534 960 1984 How Water Oil 1010 Single Fam 1-3 family LEDGER, GREGORY 30 Grandview 2 2532 1240 1982 Forced Hot Air Oil 1010 Single Fam 1-3 family ROBINSON, MACIA 3 Grandview 2 3289 1218 1982 Forced Hot Air Oil 1010 Single Fam 1-3 family RVERS, GARY H 7 Grandview 2 3288 2000 1986 How Water Oil 1010 Single Fam 1-3 family VHTERFAULT, TRUST 18 Grandvi	BISHOP, CATHERINE HUTCHINSON	18	Graham	2	1969	966	19	87 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
CORRELL, FRANK 24 Grandhow 2 1992 924 1983 Forced Hot Air Oil 1010 Single Fam 1-3 family BOOKS JR, UT TEN, PHILERT 10 Grandview 2 2144 906 1975 Horced Hot Air Oil 1010 Single Fam 1-3 family LAWGNE, RICHARD J 26 Grandview 2 2534 960 1984 Hot Water Oil 1010 Single Fam 1-3 family LAWGNE, RICHARD J 26 Grandview 2 2532 1993 Forced Hot Air Oil 1010 Single Fam 1-3 family ROBINSON, MARCIA 3 Grandview 2 2329 1218 1996 Forced Hot Air Oil 1010 Single Fam 1-3 family RVERS, GARY H 7 Grandview 2 2384 1936 Forced Hot Air Oil 1010 Single Fam 1-3 family VETREAULT, TRUNT 18 Grandview 2 2884 1934 1934 1934	ROBY, SCOTT A	67	Graham	2	1625	896	19	70 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BROOKS JR, JT TEN, PHILBERT 23 Grandview 2 244 106 1961 Forced Hot Air Oil 1010 Single Fam 1-3 family ADAMS, WAVA CLARK 6 Grandview 2 3672 2281 1973 Forced Hot Air Oil 1010 Single Fam 1-3 family LLOGER, GREGORY 30 Grandview 2 2584 1983 Hot Water Oil 1010 Single Fam 1-3 family LEOGER, GREGORY 30 Grandview 2 2828 1240 1985 Hot Water Oil 1010 Single Fam 1-3 family ROBINSON, MARCIA 17 Grandview 2 2872 864 1975 Forced Hot Air Oil 1010 Single Fam 1-3 family RVERS, GARY H 7 Grandview 2 3289 124 1995 Hot Water Oil 1010 Single Fam 1-3 family VHITE FAMILY TRUST 18 Grandview 2 3648 134 1973 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2	PLATT REVOCABLE TRUST, CORINNE	40	Graham	2	3204	1188	19	88 Hot Water	Oil	1010 Single Fam	1-3 family
ADAMS, WAVA CLARK 10 Grandview 2 2154 960 1975 Hort Water Oil 1010 Single Fam 1-3 Iamily LAVIGNE, RICHARD J 26 Grandview 2 2534 960 1984 Hort Water Oil 1010 Single Fam 1-3 Iamily LEDGER, GREGORY 30 Grandview 2 2628 1230 1985 Hort Water Oil 1010 Single Fam 1-3 Iamily GODDWIN, DANA 17 Grandview 2 2772 864 1975 Forced Hot Air Oil 1010 Single Fam 1-3 Iamily VIPLER, SARY H 7 Grandview 2 3289 1218 1960 Forced Hot Air Oil 1010 Single Fam 1-3 Iamily VIPLER, SARY H 7 Grandview 2 3684 1344 1973 Hoil Xort 1010 Single Fam 1-3 Iamily DEBLOIS, RICKY ALLEN 24 Hall	CORRELL, FRANK	24	Graham	2	1992	924	19	89 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
TIERNEY JR, JAMES W 6 Grandview 2 3672 2281 1973 Forced Hot Air Oil 1101 Single Fam 1-3 family LEDGER, GREGORY 30 Grandview 2 2628 1201 1985 Hot Water Oil 1101 Single Fam 1-3 family ROBINSON, MARCIA 3 Grandview 2 2322 1240 1982 Forced Hot Air Oil 1101 Single Fam 1-3 family GODOWIN, DANA 17 Grandview 2 2328 1281 1985 Forced Hot Air Oil 1101 Single Fam 1-3 family GODOWIN, DANA 14 Grandview 2 3288 2800 1995 Hot Water Oil 1010 Single Fam 1-3 family HICRS, GARY H 7 Grandview 2 3284 1588 2004 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 2 Hall 2 3864 1588 2004 Hot Water Oil 1010 Single Fam 1-3 family STOCKWELL, TYSON 26 High 2 <td>BROOKS JR. JT TEN, PHILBERT</td> <td>23</td> <td>Grandview</td> <td></td> <td>2244</td> <td>1026</td> <td>19</td> <td>61 Forced Hot Air</td> <td>Oil</td> <td>1010 Single Fam</td> <td>1-3 family</td>	BROOKS JR. JT TEN, PHILBERT	23	Grandview		2244	1026	19	61 Forced Hot Air	Oil	1010 Single Fam	1-3 family
LAVIGNE, RICHARD J 26 Grandview 2 2534 1964 Hot Water Oil 1101 Single Fam 1-3 family LEDGER, GREGORY 30 Grandview 2 2628 1230 1985 Hot Water Oil 1030 Mobile Hom 1-3 family ROBINSON, MARCIA 3 Grandview 2 2772 184 1985 Forced Hot Air Oil 1010 Single Fam 1-3 family GODOWIN, DANA 77 Grandview 2 3288 1218 1960 Forced Hot Air Oil 1010 Single Fam 1-3 family TETREAULT, DAVID R 14 Grandview 2 3288 1344 1973 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2 3084 1548 1994 Forced Hot Air Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2 3072 1008 1994 Forced Hot Air Oil 1010 Single Fam 1-3 family STOCKWELL TYSON 26 High 2 1632 484 1900 Forced Hot Air Oil 1010 Single Fam	ADAMS, WAVA CLARK	10	Grandview	2	2154	960	19	75 Hot Water	Oil	1010 Single Fam	1-3 family
LEDGER, GREGORY 30 Grandview 2 2828 1230 1935 Poter Mohar 101 1010 Single Fam 1-3 family GODDWIN, DANA 17 Grandview 2 2772 864 1975 Forced Hot Air Oil 1010 Single Fam 1-3 family RIVERS, GARY H 7 Grandview 2 5280 2800 1985 Hot Water Oil 1010 Single Fam 1-3 family TETREALLT, DAVID R 14 Grandview 2 3648 1344 1973 HotWater Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2 3648 1344 1973 HotWater Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2 1602 1604 1604 1601 1010 Single Fam 1-3 family SIMPSON JTER, JOSHUA 30 High 2 1605 1677 1880 1601 <td< td=""><td>TIERNEY JR, JAMES W</td><td>6</td><td>Grandview</td><td>2</td><td>3672</td><td>2236</td><td>19</td><td>73 Forced Hot Air</td><td>Oil</td><td>1010 Single Fam</td><td>1-3 family</td></td<>	TIERNEY JR, JAMES W	6	Grandview	2	3672	2236	19	73 Forced Hot Air	Oil	1010 Single Fam	1-3 family
ROBINSON, MARCIA 3 Grandview 2 152 124 1922 Forced Hot Air Oli 1030 Mobile Hom 1-3 family GOODWIN, DANA 17 Grandview 2 22772 864 1975 Forced Hot Air Oil 1010 Single Fam 1-3 family TETREAULT, DAVID R 14 Grandview 2 5288 2800 1995 Hot Water Oil 1010 Single Fam 1-3 family VHITE FAMULT, DAVID R 14 Grandview 2 5288 2800 1995 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2 3684 1568 2004 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 High 2 1632 886 1891 Forced Hot Air Oil 1010 Single Fam 1-3 family STOCKWELL, TYSON 26 High 2 1965 1071 1890 Forced Hot Air Oil 1010 Single Fam 1-3 family CHAUKETTE, NOCRA 31 High	LAVIGNE, RICHARD J	26	Grandview	2	2534	960	19	84 Hot Water	Oil	1010 Single Fam	1-3 family
GOODWIN, DANA 17 Grandview 2 2772 864 1975 Forced Hot Air Oil 1010 Single Fam 1.3 family RIVERS, GARY H 7 Grandview 2 5288 2800 1995 Hot Water Oil 1010 Single Fam 1.3 family WHITE FAMILY TRUST 18 Grandview 2 3644 1544 1973 Hot Water Oil 1010 Single Fam 1.3 family DEBLOIS, RICKY ALLEN 24 Hall 2 2072 1006 1994 Forced Hot Air Oil 1010 Single Fam 1.3 family STOCKWELL, TYSON 26 High 2 1632 864 1996 Orde Hot Air Oil 1010 Single Fam 1.3 family CHAUVETTE, JOSHUA 30 High 2 1632 864 1994 Note Hot Air Oil 1010 Single Fam 1.3 family CHAUVETTE, JOSHUA 31 H	LEDGER, GREGORY	30	Grandview	2	2628	1230	19	955 Hot Water	Oil	1010 Single Fam	1-3 family
RIVERS, GARY H 7 Grandview 2 3289 1218 1960 Forced Hot Air Oil 1010 Single Fam 1-3 family TETREALUT, DAVID R 14 Grandview 2 5288 2800 1996 Hot Water Oil 1010 Single Fam 1-3 family UPHITE FAMILY TRUST 18 Grandview 2 3648 1344 1973 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2 3664 1568 2004 Hot Water Oil 1010 Single Fam 1-3 family ALEXANDER, EARL 28 High 2 1832 866 1891 Forced Hot Air Oil 1010 Single Fam 1-3 family SINPSON JT EN, JOSHUA 30 High 2 1905 1071 1890 Hot Water Oil 1010 Single Fam 1-3 family CHAUKETT, ROGER 22 High 2 3641 1806 Hot Water Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 3666	ROBINSON, MARCIA	3	Grandview	2	1352	1240	19	92 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
TETRAULT, DAVID R 14 Grandview 2 528 200 1995 Hot Water Oil 1010 Single Fam 1-3 family WHITE FAMILY TRUST 18 Grandview 2 3648 134 1973 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2 2072 108 1994 Forced Hot Air Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 29 High 2 1632 868 1994 Forced Hot Air Oil 1010 Single Fam 1-3 family STOCKWELL, TYSON 26 High 2 1632 848 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family SIMPSON JT TEN, JOSHUA 30 High 2 1905 1071 1890 Hot Water Oil 1010 Single Fam 1-3 family SIMPSON JT TEN, JOSHUA 32 High 2 1936 141 1855 Hot Water Oil 1010 Single Fam 1-3 family VEENAN SON LLC, B.C. 5 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1	GOODWIN, DANA	17	Grandview	2	2772	864	19	75 Forced Hot Air	Oil	1010 Single Fam	1-3 family
WHITE FAMILY TRUST 18 Grandview 2 3684 1344 1973 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 24 Hall 2 3684 158 2004 Hot Water Oil 1010 Single Fam 1-3 family ALEXANDER, EARL 29 High 2 1832 856 1891 Forced Hot Air Oil 1010 Single Fam 1-3 family SIMPSON JT TEN, JOSHUA 30 High 2 1632 848 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family CHAUVETTE, ROGER 22 High 2 3104 180 1947 Steam Oil 1010 Single Fam 1-3 family CHAUVETTE, ROGER 2 High 2 3641 1830 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family VEENAN & SON LLC, B.C. 5 High 2 3641 1830 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2	RIVERS, GARY H	7	Grandview	2	3289	1218	19	60 Forced Hot Air	Oil	1010 Single Fam	1-3 family
DEBLOIS, RICKY ALLEN 24 Hall 2 364 156 2004 Hot Water Oil 1010 Single Fam 1-3 family DEBLOIS, RICKY ALLEN 22 High 2 2072 108 1994 Forced Hot Air Oil 1030 Mobile Hom 1-3 family ALEXANDER, EARL 29 High 2 1832 866 1994 Forced Hot Air Oil 1010 Single Fam 1-3 family STOCKWELL, TYSON 26 High 2 1630 1071 1890 Horced Hot Air Oil 1010 Single Fam 1-3 family CHAUVETTE, ROGER 22 High 2 1304 180 1947 Steam Oil 1010 Single Fam 1-3 family HOPPS, KERRY V 31 High 2 2610 865 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 2610 865 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 2125<	TETREAULT, DAVID R	14	Grandview	2	5288	2800	19	95 Hot Water	Oil	1010 Single Fam	1-3 family
DEBLOIS, RICKY ALLEN 22 Hall 2 2072 1008 1994 Forced Hot Air Oil 1030 Mobile Hom 1-3 family ALEXANDER, EARL 29 High 2 1832 868 1891 Forced Hot Air Oil 1010 Single Fam 1-3 family SIMPSON JT TEN, JOSHUA 30 High 2 1905 1071 1890 Hot Water Oil 1010 Single Fam 1-3 family CHAUVETTE, ROGER 22 High 2 1905 1071 1890 Hot Water Oil 1010 Single Fam 1-3 family CHAUVETTE, ROGER 22 High 2 3104 1808 1947 Steam Oil 1010 Single Fam 1-3 family VEENAN & SON LLC, B.C. 5 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 1704 <td>WHITE FAMILY TRUST</td> <td>18</td> <td>Grandview</td> <td>2</td> <td>3648</td> <td>1344</td> <td>19</td> <td>73 Hot Water</td> <td>Oil</td> <td>1010 Single Fam</td> <td>1-3 family</td>	WHITE FAMILY TRUST	18	Grandview	2	3648	1344	19	73 Hot Water	Oil	1010 Single Fam	1-3 family
ALEXANDER, EARL 29 High 2 1832 856 1891 Forced Hot Air Oil 1010 Single Fam 1.3 family STOCKWELL, TYSON 26 High 2 1905 1071 1800 Hot Water Oil 1010 Single Fam 1.3 family CHAUVETTE, ROGER 22 High 2 3104 1808 1947 Steam Oil 1010 Single Fam 1.3 family HOPPS, KERRY V 31 High 2 3641 1800 1900 Forced Hot Air Oil 1010 Single Fam 1.3 family HOPPS, KERRY V 31 High 2 3641 1800 1900 Forced Hot Air Oil 1010 Single Fam 1.3 family PETERSEN, LORRAINE 10 High 2 2610 855 1900 Hot Water Oil 1010 Single Fam 1.3 family JOHNSON, DAVID W 14 High 2 2125 1015 1900 Forced Hot Air Oil 1010 Single Fam 1.3 family PADULA, ELIZABETH 25 High 2 1704	DEBLOIS, RICKY ALLEN	24	Hall	2	3684	1568	20	04 Hot Water	Oil	1010 Single Fam	1-3 family
STOCKWELL, TYSON 26 High 2 1632 848 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family SIMPSON JT TEN, JOSHUA 30 High 2 1905 1071 1880 Hot Water Oil 1010 Single Fam 1-3 family CHAUVETTE, ROGER 22 High 2 1936 914 1855 Hot Water Oil 1010 Single Fam 1-3 family HOPPS, KERRY V 31 High 2 1936 914 1855 Hot Water Oil 1010 Single Fam 1-3 family PETERSEN, LORRAINE 10 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 3696 2448 1940 Hot Water Oil 1010 Single Fam 1-3 family PADULA, ELIZABETH 25 High 2 1704 1080 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family SZURLEY, JOHN R 6 High 2 1796	DEBLOIS, RICKY ALLEN	22	Hall	2	2072	1008	19	94 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
SIMPSON JT TEN, JOSHUA 30 High 2 1905 1071 1890 Hot Water Oil 1010 Single Fam 1.3 family CHAUVETTE, ROGER 22 High 2 104 1808 1947 Steam Oil 1010 Single Fam 1.3 family HOPPS, KERRY V 31 High 2 1936 914 1855 Hot Water Oil 1010 Single Fam 1.3 family KEENAN & SON LLC, B.C. 5 High 2 3641 1830 1900 Forced Hot Air Oil 1010 Single Fam 1.3 family JOHNSON, DAVID W 14 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1.3 family JOHNSON, DAVID W 14 High 2 2125 1015 1900 Forced Hot Air Oil 1010 Single Fam 1.3 family PADULA, ELIZABETH 25 High 2 1774 1800 1900 Forced Hot Air Oil 1010 Single Fam 1.3 family SZURLEY, JOHN R 6 High 2 1776 <td>ALEXANDER, EARL</td> <td>29</td> <td>High</td> <td>2</td> <td>1832</td> <td>856</td> <td>18</td> <td>891 Forced Hot Air</td> <td>Oil</td> <td>1010 Single Fam</td> <td>1-3 family</td>	ALEXANDER, EARL	29	High	2	1832	856	18	891 Forced Hot Air	Oil	1010 Single Fam	1-3 family
CHAUVETTE, ROGER 22 High 2 3104 1808 1947 Steam Oil 1010 Single Fam 1-3 family HOPPS, KERRY V 31 High 2 1936 914 1855 Hot Water Oil 1010 Single Fam 1-3 family KEENAN & SON LLC, B.C. 5 High 2 2610 885 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 2660 885 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 2660 885 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family NAPLES, CARL B 13 High 2 2125 1015 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family HERSEY, JOHN 12 High 2 1766 768 1992 Hot Water Oil 1010 Single Fam 1-3 family LABRECQUE, BETHANY A 8 High 2 1725	STOCKWELL, TYSON	26	High	2	1632	848	19	000 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HOPPS, KERRY V 31 High 2 1936 914 1855 Hot Water Oil 1010 Single Fam 1-3 family KEENAN & SON LLC, B.C. 5 High 2 3641 130 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family PETERSEN, LORRAINE 10 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1-3 family NAPLES, CARL B 13 High 2 2125 1015 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family PADULA, ELIZABETH 25 High 2 1704 1080 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family VLAPLES, JOHN 12 High 2 1766 768 1992 Hot Water Oil 1010 Single Fam 1-3 family LABRECQUE, BETHANY A 8 High 2 1725 830 1970 Hot Water Oil 1010 Single Fam 1-3 family <	SIMPSON JT TEN, JOSHUA	30	High	2	1905	1071	18	90 Hot Water	Oil	1010 Single Fam	1-3 family
KEENAN & SON LLC, B.C. 5 High 2 3641 1830 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family PETERSEN, LORRAINE 10 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 3696 2448 1940 Hot Water Oil 1010 Single Fam 1-3 family NAPLES, CARL B 13 High 2 2125 1015 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family PADULA, ELIZABETH 25 High 2 1704 1080 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family SZURLEY, JOHN 12 High 2 1766 768 1992 Hot Water Oil 1010 Single Fam 1-3 family LABRECQUE, BETHANY A 8 High 2 1725 830 1970 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, JOEL R 20 Hillside 2 3222	CHAUVETTE, ROGER	22	High	2	3104	1808	19	947 Steam	Oil	1010 Single Fam	1-3 family
PETERSEN, LORRAINE 10 High 2 2610 885 1900 Hot Water Oil 1010 Single Fam 1-3 family JOHNSON, DAVID W 14 High 2 3696 2448 1940 Hot Water Oil 1010 Single Fam 1-3 family NAPLES, CARL B 13 High 2 2125 1015 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family PADULA, ELIZABETH 25 High 2 1704 1080 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family SZURLEY, JOHN R 6 High 2 1766 768 1992 Hot Water Oil 1010 Single Fam 1-3 family LABRECQUE, BETHANY A 8 High 2 1725 830 1970 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, JOEL R 20 Hillside 2 3252 1400 1900 Hot Water Oil 1010 Single Fam 1-3 family BUSHEY, JEANNE 90 Hillside 2 2240	HOPPS, KERRY V	31	High	2	1936	914	18	355 Hot Water	Oil	1010 Single Fam	1-3 family
JOHNSON, DAVID W 14 High 2 3696 2448 1940 Hot Water Oil 1010 Single Fam 1-3 family NAPLES, CARL B 13 High 2 2125 1015 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family PADULA, ELIZABETH 25 High 2 1704 1080 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family SZURLEY, JOHN R 6 High 2 1860 832 1964 Hot Water Oil 1010 Single Fam 1-3 family LABRECQUE, BETHANY A 8 High 2 1796 768 1992 Hot Water Oil 1010 Single Fam 1-3 family LABRECQUE, BETHANY A 8 High 2 1725 830 1970 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, JOEL R 20 Hillside 2 3252 1400 1900 Hot Water Oil 1010 Single Fam 1-3 family BUSHEY, JEANNE 90 Hillside 2 3220	KEENAN & SON LLC, B.C.	5	High		3641	1830	19	000 Forced Hot Air	Oil	1010 Single Fam	1-3 family
NAPLES, CARL B 13 High 2 2125 1015 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family PADULA, ELIZABETH 25 High 2 1704 1080 1900 Forced Hot Air Oil 1010 Single Fam 1-3 family HERSEY, JOHN R 6 High 2 1860 832 1964 Hot Water Oil 1010 Single Fam 1-3 family SZURLEY, JOHN R 6 High 2 1796 768 1992 Hot Water Oil 1010 Single Fam 1-3 family LABRECQUE, BETHANY A 8 High 2 1725 830 1970 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, JOEL R 20 Hillside 2 3252 1400 1900 Hot Water Oil 1010 Single Fam 1-3 family LAKIN, DEBRA (JAMESON) 14 Hillside 2 3228 1320 1900 Hot Water Oil 1010 Single Fam 1-3 family JOHNSTON, ALEXANDER D 80 Hillside 2 <td< td=""><td>PETERSEN, LORRAINE</td><td>10</td><td>High</td><td>2</td><td>2610</td><td>885</td><td>19</td><td>000 Hot Water</td><td>Oil</td><td>1010 Single Fam</td><td>1-3 family</td></td<>	PETERSEN, LORRAINE	10	High	2	2610	885	19	000 Hot Water	Oil	1010 Single Fam	1-3 family
PADULA, ELIZABETH25High2170410801900 Forced Hot AirOil1010 Single Fam1-3 familyHERSEY, JOHN R6High218608321964 Hot WaterOil1010 Single Fam1-3 familySZURLEY, JOHN12High217967681992 Hot WaterOil1010 Single Fam1-3 familyLABRECQUE, BETHANY A8High217867681992 Forced Hot AirOil1010 Single Fam1-3 familyLABRECQUE, BETHANY A8High217258301970 Hot WaterOil1010 Single Fam1-3 familyFORTIN, ANTHONY23High2325214001900 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, JOEL R20Hillside2325214001900 Hot WaterOil1010 Single Fam1-3 familyLAKIN, DEBRA (JAMESON)14Hillside2328813201900 Hot WaterOil1010 Single Fam1-3 familyBUSHEY, JEANNE90Hillside2392813201900 Hot WaterOil1010 Single Fam1-3 familyJOHNSTON, ALEXANDER D80Hillside217257501935 Hot WaterOil1010 Single Fam1-3 familyJOHNSTON, ALEXANDER D80Hillside2271714911890 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, ALBERT4Hillside2271714911890 Hot Water<	JOHNSON, DAVID W	14	High	2	3696	2448	19	40 Hot Water	Oil	1010 Single Fam	1-3 family
HERSEY, JOHN R6High218608321964 Hot WaterOil1010 Single Fam1-3 familySZURLEY, JOHN12High217967681992 Hot WaterOil1010 Single Fam1-3 familyLABRECQUE, BETHANY A8High213846721987 Forced Hot AirOil1010 Single Fam1-3 familyFORTIN, ANTHONY23High217258301970 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, JOEL R20Hillside2325214001900 Hot WaterOil1010 Single Fam1-3 familyLAKIN, DEBRA (JAMESON)14Hillside2325214001900 Hot WaterOil1010 Single Fam1-3 familyBUSHEY, JEANNE90Hillside2328813201900 Hot WaterOil1010 Single Fam1-3 familyGASS, CHRISTINE78Hillside217257501935 Hot WaterOil1010 Single Fam1-3 familyJOHNSTON, ALEXANDER D80Hillside2176212411900 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, ALBERT44Hillside2271714911890 Hot WaterOil1010 Single Fam1-3 familyFOGG, THERESA4Hillside2223210011817 Hot WaterOil1010 Single Fam1-3 familySHANNON, KATHY ANN48Hillside217809881950 Hot WaterO	NAPLES, CARL B	13	High	2	2125	1015	19	000 Forced Hot Air	Oil	1010 Single Fam	1-3 family
SZURLEY, JOHN 12 High 2 1796 768 1992 Hot Water Oil 1010 Single Fam 1-3 family LABRECQUE, BETHANY A 8 High 2 1384 672 1987 Forced Hot Air Oil 1030 Mobile Hom 1-3 family FORTIN, ANTHONY 23 High 2 1725 830 1970 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, JOEL R 20 Hillside 2 3252 1400 1900 Hot Water Oil 1010 Single Fam 1-3 family LAKIN, DEBRA (JAMESON) 14 Hillside 2 2240 1176 1946 Hot Water Oil 1010 Single Fam 1-3 family BUSHEY, JEANNE 90 Hillside 2 3928 1320 1900 Hot Water Oil 1010 Single Fam 1-3 family CASS, CHRISTINE 78 Hillside 2 1725 750 1935 Hot Water Oil 1010 Single Fam 1-3 family JOHNSTON, ALEXANDER D 80 Hillside 2 2717 1491 1890 Hot Water Oil 1010 Single Fam 1-3 family	PADULA, ELIZABETH	25	High	2	1704	1080	19	000 Forced Hot Air	Oil	1010 Single Fam	1-3 family
LABRECQUE, BETHANY A 8 High 2 1384 672 1987 Forced Hot Air Oil 1030 Mobile Hom 1-3 family FORTIN, ANTHONY 23 High 2 1725 830 1970 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, JOEL R 20 Hillside 2 3252 1400 1900 Hot Water Oil 1010 Single Fam 1-3 family LAKIN, DEBRA (JAMESON) 14 Hillside 2 2240 1176 1946 Hot Water Oil 1010 Single Fam 1-3 family BUSHEY, JEANNE 90 Hillside 2 3928 1320 1900 Hot Water Oil 1010 Single Fam 1-3 family CASS, CHRISTINE 78 Hillside 2 1725 750 1935 Hot Water Oil 1010 Single Fam 1-3 family JOHNSTON, ALEXANDER D 80 Hillside 2 1762 1241 1900 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, ALBERT 44 Hillside 2 2717 1491 1890 Hot Water Oil 1010 Single Fam 1-3 family </td <td>HERSEY, JOHN R</td> <td>6</td> <td>High</td> <td>2</td> <td>1860</td> <td>832</td> <td>19</td> <td>64 Hot Water</td> <td>Oil</td> <td>1010 Single Fam</td> <td>1-3 family</td>	HERSEY, JOHN R	6	High	2	1860	832	19	64 Hot Water	Oil	1010 Single Fam	1-3 family
FORTIN, ANTHONY23High217258301970 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, JOEL R20Hillside2325214001900 Hot WaterOil1010 Single Fam1-3 familyLAKIN, DEBRA (JAMESON)14Hillside2224011761946 Hot WaterOil1010 Single Fam1-3 familyBUSHEY, JEANNE90Hillside2392813201900 Hot WaterOil1010 Single Fam1-3 familyCASS, CHRISTINE78Hillside217257501935 Hot WaterOil1010 Single Fam1-3 familyJOHNSTON, ALEXANDER D80Hillside2176212411900 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, ALBERT44Hillside2271714911890 Hot WaterOil1010 Single Fam1-3 familyFOGG, THERESA4Hillside2223210011817 Hot WaterOil1010 Single Fam1-3 familySHANNON, KATHY ANN48Hillside217809881950 Hot WaterOil1010 Single Fam1-3 family	SZURLEY, JOHN	12	High		1796	768	19	92 Hot Water	Oil	1010 Single Fam	1-3 family
DUPUIS, JOEL R20Hillside2325214001900 Hot WaterOil1010 Single Fam1-3 familyLAKIN, DEBRA (JAMESON)14Hillside2224011761946 Hot WaterOil1010 Single Fam1-3 familyBUSHEY, JEANNE90Hillside2392813201900 Hot WaterOil1010 Single Fam1-3 familyCASS, CHRISTINE78Hillside217257501935 Hot WaterOil1010 Single Fam1-3 familyJOHNSTON, ALEXANDER D80Hillside2176212411900 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, ALBERT44Hillside2271714911890 Hot WaterOil1010 Single Fam1-3 familyFOGG, THERESA4Hillside2223210011817 Hot WaterOil1010 Single Fam1-3 familySHANNON, KATHY ANN48Hillside217809881950 Hot WaterOil1010 Single Fam1-3 family	LABRECQUE, BETHANY A	8	High		1384	672	19	87 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
LAKIN, DEBRA (JAMESON)14Hillside2224011761946 Hot WaterOil1010 Single Fam1-3 familyBUSHEY, JEANNE90Hillside2392813201900 Hot WaterOil1010 Single Fam1-3 familyCASS, CHRISTINE78Hillside217257501935 Hot WaterOil1010 Single Fam1-3 familyJOHNSTON, ALEXANDER D80Hillside2176212411900 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, ALBERT44Hillside2271714911890 Hot WaterOil1010 Single Fam1-3 familyFOGG, THERESA4Hillside2223210011817 Hot WaterOil1010 Single Fam1-3 familySHANNON, KATHY ANN48Hillside217809881950 Hot WaterOil1010 Single Fam1-3 family	FORTIN, ANTHONY	23	High	2	1725	830	19	70 Hot Water	Oil	1010 Single Fam	1-3 family
BUSHEY, JEANNE90Hillside2392813201900 Hot WaterOil1010 Single Fam1-3 familyCASS, CHRISTINE78Hillside217257501935 Hot WaterOil1010 Single Fam1-3 familyJOHNSTON, ALEXANDER D80Hillside2176212411900 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, ALBERT44Hillside2271714911890 Hot WaterOil1010 Single Fam1-3 familyFOGG, THERESA4Hillside2223210011817 Hot WaterOil1010 Single Fam1-3 familySHANNON, KATHY ANN48Hillside217809881950 Hot WaterOil1010 Single Fam1-3 family	DUPUIS, JOEL R	20	Hillside		3252	1400	19	000 Hot Water	Oil	1010 Single Fam	1-3 family
CASS, CHRISTINE 78 Hillside 2 1725 750 1935 Hot Water Oil 1010 Single Fam 1-3 family JOHNSTON, ALEXANDER D 80 Hillside 2 1762 1241 1900 Hot Water Oil 1010 Single Fam 1-3 family DUPUIS, ALBERT 44 Hillside 2 2717 1491 1890 Hot Water Oil 1010 Single Fam 1-3 family FOGG, THERESA 4 Hillside 2 2232 1001 1817 Hot Water Oil 1010 Single Fam 1-3 family SHANNON, KATHY ANN 48 Hillside 2 1780 988 1950 Hot Water Oil 1010 Single Fam 1-3 family	LAKIN, DEBRA (JAMESON)	14	Hillside		2240	1176	19	46 Hot Water	Oil	1010 Single Fam	1-3 family
JOHNSTON, ALEXANDER D80Hillside2176212411900 Hot WaterOil1010 Single Fam1-3 familyDUPUIS, ALBERT44Hillside2271714911890 Hot WaterOil1010 Single Fam1-3 familyFOGG, THERESA4Hillside2223210011817 Hot WaterOil1010 Single Fam1-3 familySHANNON, KATHY ANN48Hillside217809881950 Hot WaterOil1010 Single Fam1-3 family	BUSHEY, JEANNE	90	Hillside	2	3928	1320	19	000 Hot Water	Oil	1010 Single Fam	1-3 family
DUPUIS, ALBERT 44 Hillside 2 2717 1491 1890 Hot Water Oil 1010 Single Fam 1-3 family FOGG, THERESA 4 Hillside 2 2232 1001 1817 Hot Water Oil 1010 Single Fam 1-3 family SHANNON, KATHY ANN 48 Hillside 2 1780 988 1950 Hot Water Oil 1010 Single Fam 1-3 family	CASS, CHRISTINE	78	Hillside		1725	750	19	35 Hot Water	Oil	1010 Single Fam	1-3 family
FOGG, THERESA 4 Hillside 2 2232 1001 1817 Hot Water Oil 1010 Single Fam 1-3 family SHANNON, KATHY ANN 48 Hillside 2 1780 988 1950 Hot Water Oil 1010 Single Fam 1-3 family	JOHNSTON, ALEXANDER D	80	Hillside		1762	1241	19	000 Hot Water	Oil	1010 Single Fam	1-3 family
SHANNON, KATHY ANN 48 Hillside 2 1780 988 1950 Hot Water Oil 1010 Single Fam 1-3 family	DUPUIS, ALBERT	44	Hillside			1491	18	90 Hot Water	Oil	1010 Single Fam	1-3 family
	FOGG, THERESA	4	Hillside		2232	1001	18	17 Hot Water	Oil	1010 Single Fam	1-3 family
COULET MAURICE 66 Hillside 2 1664 702 1900 Hot Water Oil 1010 Single Fam 1-3 family	SHANNON, KATHY ANN	48	Hillside	2	1780	988	19	50 Hot Water	Oil	1010 Single Fam	1-3 family
0	GOULET, MAURICE	66	Hillside	2	1664	792	19	000 Hot Water	Oil	1010 Single Fam	1-3 family
HOPPS, BEATRICE 75 Hillside 2 2186 962 1951 Hot Water Oil 1010 Single Fam 1-3 family	HOPPS, BEATRICE	75	Hillside		2186	962	19	951 Hot Water	Oil	1010 Single Fam	1-3 family
HOPPS, HAROLD 82 Hillside 2 2496 1288 1930 Hot Water Oil 1010 Single Fam 1-3 family	HOPPS, HAROLD	82	Hillside	2	2496	1288	19	30 Hot Water	Oil	1010 Single Fam	1-3 family
HUTCHINSON REVOC TRUST, DONALD 106 Hillside 2 3663 1528 1950 Hot Water Oil 1010 Single Fam 1-3 family	HUTCHINSON REVOC TRUST, DONALI	D 106	Hillside		3663	1528	19	50 Hot Water	Oil	1010 Single Fam	1-3 family
SIMPSON, DEBORAH A 19 Hillside 2 2816 1260 1920 Hot Water Oil 1010 Single Fam 1-3 family	SIMPSON, DEBORAH A	19	Hillside	2	2816	1260	19	20 Hot Water	Oil	1010 Single Fam	1-3 family
RUSSELL, KELLY G 4 Hillside 2 1963 874 1958 Hot Water Oil 1010 Single Fam 1-3 family	RUSSELL, KELLY G	4	Hillside		1963	874	19	58 Hot Water	Oil	1010 Single Fam	1-3 family
BUNDSCHUH, JOE 22 Hillside 2 4225 1564 1900 Hot Water Oil 1010 Single Fam 1-3 family	BUNDSCHUH, JOE	22	Hillside	2	4225	1564	19	000 Hot Water	Oil	1010 Single Fam	1-3 family
LANGLOIS, DAWNIE J 52 Hillside 2 2242 1024 1930 Hot Water Oil 1010 Single Fam 1-3 family	LANGLOIS, DAWNIE J	52	Hillside	2	2242	1024	19	30 Hot Water	Oil	1010 Single Fam	1-3 family

Owner's Name	Street N	lo Street Name	Area	Bldg Area Gros: Bldg Are	a Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
MEUNIER, BRIAN	8	Hillside	2	1776	1260	1946	Forced Hot Air	Gas	1010 Single Fam	1-3 family
NORMANDEAU REVOCABLE TRUST	27	Hillside	2	2796	1596	1910	Hot Water	Oil	1010 Single Fam	1-3 family
GRENIER, DENNIS B	10	Hillside	2	2522	1020	1940	Hot Water	Oil	1010 Single Fam	1-3 family
HOPPS, KEITH	1	Hillside	2	2289	717	1955	Hot Water	Oil	1010 Single Fam	1-3 family
NEWTON, WAYNE	79	Hillside	2	2682	1084	1955	Hot Water	Oil	1010 Single Fam	1-3 family
PLATT, MARCEL E	38	Hillside	2	2546	1249	1920	Steam	Oil	1010 Single Fam	1-3 family
SHANNON, SYLVIA M	94	Hillside	2	2184	960	1959	Hot Water	Oil	1010 Single Fam	1-3 family
LAUNDRY, SAMANTHA	114	Hillside	2	2230	1152	1920	Hot Water	Oil	1010 Single Fam	1-3 family
NORMAND, JAMES J	84	Hillside	2	2244	1296	1900	Hot Water	Oil	1010 Single Fam	1-3 family
TILTON, ARNOLD	102	Hillside	2	1764	910	1900	Hot Water	Oil	1010 Single Fam	1-3 family
STRONG, KENNETH F	73	Hillside	2	1701	798	1930	Hot Water	Oil	1010 Single Fam	1-3 family
D'AVENI, ANTHONY J	13	Hillside	2	2454	660	1947	Hot Water	Oil	1010 Single Fam	1-3 family
SANBORN, JAMES	116	Hillside	2	2320	920	1999	Forced Hot Air	Gas	1030 Mobile Hom	1-3 family
CAMARA, RAOUL	28	Hillside	2	3560	2079	1900	Hot Water	Oil	1050 THREE FAM	1-3 family
MILES, DAVID B	60	Hillside	2	2940	1180	1920	Forced Hot Air	Oil	1010 Single Fam	1-3 family
HAND, KENNETH	74	Hillside	2	1748	858	1987	Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
SULESKI, LISA G	47	Maple	2	1342	630	1930	Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
LAROSE FAMILY TRUST, RITA	48	Maple	2	2288	1048	1972	Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BOUDLE, SANDRA	31	Maple	2	2429	1180	1900	Hot Water	Oil	1010 Single Fam	1-3 family
WRIGHT, STANLEY	38	Maple	2	1100	520	1900	Hot Water	Oil	1010 Single Fam	1-3 family
CALL, SANDOW	43	Maple	2	2754	1209	1950	Hot Water	Oil	1010 Single Fam	1-3 family
FOX, MICHAEL W	17	Maple	2	2750	1468	1900	Hot Water	Oil	1010 Single Fam	1-3 family
CHARLETTE TRUST, THE RUTH E	13	Maple	2	2284	1408	1955	Forced Hot Air	Oil	1010 Single Fam	1-3 family
GUAY, MONIKA	21	Maple	2	2184	768	1955	Forced Hot Air	Gas	1010 Single Fam	1-3 family
CHARLETTE, DONALD A	9	Maple	2	3650	1548	1920	Hot Water	Oil	1010 Single Fam	1-3 family
FRIZZELL, LEO	32	Maple	2	1724	973	1900	Hot Water	Oil	1010 Single Fam	1-3 family
BLAIS, GINETTE	37	Maple	2	1638	728	1980	Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BRANN (HICKEY), DIANA	50	Maple	2	2638	1222	1890	Hot Water	Oil	1010 Single Fam	1-3 family
HUNT, ROBERT E	44	Maple	2	3030	1395	1912	Hot Water	Oil	1010 Single Fam	1-3 family
ALDRICH (HURLBUTT), LORNA	22	Maple	2	3771	1696	1951	Hot Water	Oil	1010 Single Fam	1-3 family
KIMBALL, RICHARD	35	Maple	2	1874	888	1964	Hot Water	Oil	1010 Single Fam	1-3 family
HOUSEHOLD FINANCE CORP. II	29	Maple	2	2579	1155	1890	Forced Hot Air	Oil	1010 Single Fam	1-3 family
BISHOP, JACOB	16	Maple	2	2279	1123	1920	Hot Water	Oil	1010 Single Fam	1-3 family
MONTANYE, HOWARD R	58	Maple	2	2048	960	1976	Hot Water	Oil	1010 Single Fam	1-3 family
TETREAULT (GRAY), SANDRA	63	Maple	2	3202	1421	1979	Hot Water	Oil	1010 Single Fam	1-3 family
WEAGLE, BARBARA	3	Maple	2	3267	1520	1900	Forced Hot Air	Oil	1010 Single Fam	1-3 family
MCLAIN, REGINALD	24	Melcher	2	4755	3332	1891	Hot Water	Oil	1110 APT 4-UNT	Apt
AFFORDABLE HOUSING EDUCATION	10	Melcher	2	7428	6576	1978	Hot Water	Oil	1120 APT OVER 8	Apt
ROBINSON, EDMUND	26	Melcher	2	2098	1764	1895	Hot Water	Oil	1010 Single Fam	1-3 family
TREMAIN LIMITED PARTNERSHIP	10	Melcher	2	1206	1154	1994	Hot Water	Oil	1120 APT OVER 8	Apt
MOREAU, ERNEST	7	Pike	2	2674	1170	1955	Hot Water	Oil	1010 Single Fam	1-3 family
HOPPS, JANICE	12	Pike	2	2680	1040	1955	Hot Water	Oil	1010 Single Fam	1-3 family
DALEY, DIANE CARON	10	Pike	2	1930	944	1950	Forced Hot Air	Oil	1010 Single Fam	1-3 family
LAKIN, KEVIN J	16	Pike	2	2583	1133	1900	Hot Water	Oil	1010 Single Fam	1-3 family
CHENEY, DONALD M	13	Pike	2	2500	1152	1949	Hot Water	Oil	1010 Single Fam	1-3 family
	10									
BATCHELDER 2004 REVOC TRUST, B	11	Pinette	2 2	1772	624	1929	Hot Water	Oil	1010 Single Fam	1-3 family

Owner's Name	Street N	No Street Name	Area E	Bidg Area Gros: Bidg Area	Living	Ayb Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
BARRY, BETTY MAE	9	Pinette	2	2744	944	1929 Forced Hot Air	Oil	1010 Single Fam	1-3 family
MURRAY, TAMERA A	7	Pinette	2	2161	900	1929 Hot Water	Oil	1010 Single Fam	1-3 family
SHUFELT JR, EDWARD D	24	Pinette	2	2602	1344	1970 Hot Water	Oil	1010 Single Fam	1-3 family
NAPLES, CARL B	4	Pinette	2	1821	888	1930 Forced Hot Air	Oil	1010 Single Fam	1-3 family
BOUCHER, ESTATE OF CARLINE	17	Prospect	2	2722	812	1955 Forced Hot Air	Oil	1010 Single Fam	1-3 family
FOGG, DOUGLAS	20	Prospect	2	2746	1240	1920 Hot Water	Oil	1010 Single Fam	1-3 family
PAQUETTE, JOSIE R (MCKENZIE)	26	Prospect	2	2804	1512	1960 Hot Water	Oil	1010 Single Fam	1-3 family
BATCHELDER 2004 REVOC TRUST, B	13	Prospect	2	1134	490	1950 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
KINGSTON, FLORENCE	15	Prospect	2	2377	760	1956 Forced Hot Air	Oil	1010 Single Fam	1-3 family
JOHNSTON, DENISE D	7	Second	2	2604	1312	1895 Hot Water	Oil	1040 TWO FAMILY	1-3 family
BENWAY, EDMUND L	26	Second	2	2219	863	1959 Floor Furnace	Gas	1010 Single Fam	1-3 family
REED, MARGARET	55	Second	2	4072	1454	1948 Hot Water	Oil	1010 Single Fam	1-3 family
DESAUTELS, JERRY P	32	Second	2	2104	1176	1900 Hot Water	Oil	1010 Single Fam	1-3 family
FRECHETTE, ROLAND	58	Second	2	2458	1110	1920 Forced Hot Air	Oil	1010 Single Fam	1-3 family
YOUNG, KEITH B	25	Second	2	2638	1512	1900 Hot Water	Oil	1010 Single Fam	1-3 family
KENNETT, JOEL DAVID	28	Second	2	2194	1152	1800 Hot Water	Oil	1010 Single Fam	1-3 family
JOY, NANCY	47	Second	2	1976	924	1987 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
JOY, NANCY	45	Second	2	1944	924	1986 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
DEFOSSE JR, FLORIEN J	1	Second	2	2490	1266	1915 Floor Furnace	Oil	1010 Single Fam	1-3 family
WEBBER, PHYLLIS A	46	Second	2	2367	1480	1920 Hot Water	Oil	1010 Single Fam	1-3 family
PELLETIER, KERRY	29	Second	2	2784	1584	1920 Hot Water	Oil	1010 Single Fam	1-3 family
ROY, WILFRED	27	Second	2	2232	1092	1940 Floor Furnace	Gas	1010 Single Fam	1-3 family
TAYLOR, FREDERICK	11	Second	2	4278	1837	1930 Hot Water	Oil	1010 Single Fam	1-3 family
DOOLAN, MICHAEL J	59	Second	2	2494	1620	1948 Hot Water	Oil	1010 Single Fam	1-3 family
PELLETIER, RANDALL D	51	Second	2	3005	1405	1950 Hot Water	Oil	1010 Single Fam	1-3 family
RAMSDELL, RICHARD	50	Second	2	2411	1036	1970 Hot Water	Oil	1010 Single Fam	1-3 family
STINSON, ROBERT	31	Second	2	2454	1512	1920 Forced Hot Air	Oil	1010 Single Fam	1-3 family
SHEEHAN, JOHN F	10	Second	2	5435	2735	1900 Hot Water	Oil	1050 THREE FAM	1-3 family
SAWYER, SHIRLEY J	5	Second	2	3189	1601	1896 Hot Water	Oil	1010 Single Fam	1-3 family
TAGUE, KELI	54	Second	2	1636	798	1900 Hot Water	Oil	1010 Single Fam	1-3 family
EMERY, CHERYL	42	Second	2	1927	798	1965 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
ARSENAULT, ELIZABETH	41	Brooklyn	3	2776	1260	1902 Hot Water	Oil	1010 Single Fam	1-3 family
LAUZON, RICK	75	Brooklyn	3	2808	1329	1995 Forced Hot Air	Oil	1010 Single Fam	1-3 family
WAUSAU PAPERS OF NH INC.		Brooklyn	3	920	460	1990 Electric	Electric	1030 Mobile Hom	1-3 family
ROY, KEVIN	15	Brooklyn	3	3462	1529	1920 Hot Water	Oil	1010 Single Fam	1-3 family
PEEL, DEAN R	57	Brooklyn	3	1482	675	1960 Floor Furnace	Gas	1010 Single Fam	1-3 family
MCLEOD, JOHN D	83	Brooklyn	3	2869	1785	1923 Hot Water	Oil	1010 Single Fam	1-3 family
GRIFFITHS, JOSEPH	53	Brooklyn	3	4335	2002	1900 Steam	Oil	1040 TWO FAMILY	1-3 family
KUCHINSKY, GLENN P	73	Brooklyn	3	2885	1502	1920 Hot Water	Oil	1040 TWO FAMILY	1-3 family
MONTGOMERY, EUGENE P	65	Brooklyn	3	4230	1971	1850 Hot Water	Oil	1010 Single Fam	1-3 family
COTE, ANDREW	49	Brooklyn	3	4506	1706	1900 Hot Water	Oil	1010 Single Fam	1-3 family
FERLAND, SUSAN T	87	Brooklyn	3	2387	1269	1850 Hot Water	Oil	1010 Single Fam	1-3 family
GONYER, THOMAS	13	Brooklyn	3	3406	1190	1930 Hot Water	Oil	1010 Single Fam	1-3 family
PERRAS TRUSTEE, REAL	29	Brooklyn	3	2278	1092	1940 Hot Water	Oil	1010 Single Fam	1-3 family
KING, DANIEL W	37	Brooklyn	3	3717	1832	1900 Hot Water	Oil	1010 Single Fam	1-3 family
EMDE JR, KARL H W	27	Brooklyn	3	2159	1012	1930 Hot Water	Oil	1010 Single Fam	1-3 family

Owner's Name	Street No	Street Name	Area	Bldg Area Gros: Bldg Area L	.iving	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
LEIGH, JAYNE L	89	Brooklyn	3	1916	924	1900) Hot Water	Oil	1010 Single Fam	1-3 family
DOWLAND, ROBERT	35	Brooklyn	3	1934	1152	1928	3 Floor Furnace	Coal or Wood	1010 Single Fam	1-3 family
SHALLOW RIVER PROP. INC.	69	Brooklyn	3	3720	2100	1900) Hot Water	Oil	9200 NON PROFIT MDI	-94 Comm&Public
MCLAIN, WAYNE	39	Brooklyn	3	3432	1368	1900) Hot Water	Oil	1010 Single Fam	1-3 family
HODGE, STEVE	11	Brooklyn	3	3392	1040	1930) Hot Water	Oil	1010 Single Fam	1-3 family
MONTGOMERY, EUGENE P	59	Brooklyn	3	4240	1886	1900) Hot Water	Oil	1040 TWO FAMILY	1-3 family
BLODGETT, RANDY A	19	Brooklyn	3	2473	1255	1940) Forced Hot Air	Oil	1010 Single Fam	1-3 family
PLATT, CLYDE	81	Brooklyn	3	2692	1750	1900) Hot Water	Oil	1010 Single Fam	1-3 family
LUFKIN, DANNY	61	Brooklyn	3	3462	1917	1900) Hot Water	Oil	1040 TWO FAMILY	1-3 family
WAUSAU PAPERS OF NH INC.		Brooklyn	3	2070	2070	C) None	Coal or Wood	4000 FACTORY	Comm&Public
ACHILLES, NORMAN	505	Lancaster Rd	3	3703	2189	1979	Forced Hot Air	Oil	1010 Single Fam	1-3 family
COLLINS, LINDA B	1099	Lancaster Rd	3	1898	944	1986	6 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
AUGER, DAVID P	116	Lancaster Rd	3	5957	1878	1981	1 Hot Water	Oil	1010 Single Fam	1-3 family
DESILETS, ANGELINA R	1019	Lancaster Rd	3	3520	1728	2006	6 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
PEEL, SUSAN G	112	Lancaster Rd	3	3162	1696	1948	3 Hot Water	Oil	1010 Single Fam	1-3 family
BAILEY, EVERETT	115	Lancaster Rd	3	2677	1056	1974	4 Hot Water	Oil	1010 Single Fam	1-3 family
BARNEY, JEFFREY	1126	Lancaster Rd	3	4533	1641	1936	6 Forced Hot Air	Oil	1010 Single Fam	1-3 family
BARTLETT, SHARAN	844	Lancaster Rd	3	1116	552	1965	5 Forced Hot Air	Gas	1030 Mobile Hom	1-3 family
BEAN, JOHN	1219	Lancaster Rd	3	2208	1104	2000) Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BORG, CARL	755	Lancaster Rd	3	2208	840	1950) Hot Water	Oil	1010 Single Fam	1-3 family
BOUDRIAS, LOUIS	317	Lancaster Rd	3	1744	744	1968	3 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
WOODWARD, MICHAEL J	1050	Lancaster Rd	3	2963	1238	1945	5 Hot Water	Oil	1010 Single Fam	1-3 family
BRIERE, ROBERT P	1109	Lancaster Rd	3	3105	1531	1920) Hot Water	Oil	1010 Single Fam	1-3 family
COLBURN ASSOCIATES INC		Lancaster Rd	3	768	384	2001	I None	Coal or Wood	1010 Single Fam	1-3 family
AUBUT, GERARD	1025	Lancaster Rd	3	2024	924		5 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
COTTER, SIMONNE	862	Lancaster Rd	3	6992	3664	1890) Forced Hot Air	Oil	1010 Single Fam	1-3 family
COTTER, NORMAN	897	Lancaster Rd	3	3412	2208	1965	5 Hot Water	Oil	1010 Single Fam	1-3 family
NORMANDEAU, BARRY	130	Lancaster Rd	3	3110	1525	1997	7 Hot Water	Oil	3400 OFFICE BLD	Comm&Public
WILES/CURRIER/CURRIER	733	Lancaster Rd	3	2100	1400	1945	5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
CURRIER SALES & SERVICE	1149	Lancaster Rd	3	10849	5400	1986	6 Forced Hot Air	Oil	3320 AUTO REPR	Comm&Public
NORTHUMBERLAND, TOWN OF	645	Lancaster Rd	3	12595	6296	1946	6 Forced Hot Air	Oil	3220 STORE/SHOP	Comm&Public
DUPUIS, BERNARD	649	Lancaster Rd	3	6332	3773	1969	9 Electric	Electric	1010 Single Fam	1-3 family
WYNN SR, RUSSELL G & FRANCES C	765	Lancaster Rd	3	2722	1600	1930) Hot Water	Oil	1010 Single Fam	1-3 family
YELLE, MARK J	962	Lancaster Rd	3	8552	4250		3 Forced Hot Air	Oil	3220 STORE/SHOP	Comm&Public
REYNOLDS, EUGENE	363	Lancaster Rd	3	4555	2048	1960) Hot Water	Oil	1010 Single Fam	1-3 family
GIGGEY, LEATHA G	1084	Lancaster Rd	3	1714	775		3 Hot Water	Oil	1010 Single Fam	1-3 family
KAPRAUN, JOSEPH W	954	Lancaster Rd	3	2912	1891	1890) Hot Water	Oil	1010 Single Fam	1-3 family
GOULET, LEO	146	Lancaster Rd	3	1740	644	2003	3 Forced Hot Air	Oil	1010 Single Fam	1-3 family
COLLINS, JEFFREY L	1080	Lancaster Rd	3	2530	1020	1963	3 Hot Water	Oil	1010 Single Fam	1-3 family
BODNAR, DARRELL C	254	Lancaster Rd	3	2307	1664	1976	6 Hot Water	Oil	1010 Single Fam	1-3 family
DINGMAN TRUST, THE MARGARET	218	Lancaster Rd	3	3098	1157	1957	7 Hot Water	Oil	1010 Single Fam	1-3 family
HAYEN, SALLY		Lancaster Rd	3	3385	1106		7 None	Coal or Wood	1010 Single Fam	1-3 family
AMERI VEST PROPERTIES LLC	1034	Lancaster Rd	3	8985	3777	1960) Steam	Oil	3010 MOTELS	Comm&Public
HOBART, KENNETH	938	Lancaster Rd	3	6619	2987) Hot Water	Oil	1010 Single Fam	1-3 family
PROSPER, BRUCE	735	Lancaster Rd	3	4708	2160) Hot Water	Oil	1010 Single Fam	1-3 family
HOLDEN, JOHN	374+384	Lancaster Rd	3	6736	3505	1900) Forced Hot Air	Oil	1010 Single Fam	1-3 family
BOUTHILLIER, MARK W	375	Lancaster Rd	3	3460	2302	1978	3 Hot Water	Oil	1010 Single Fam	1-3 family
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Owner's Name	Street No	o Street Name	Area	Bldg Area Gros: Bldg Area	Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
LUNDERVILLE, TINA (STANFORD)	743	Lancaster Rd	3	3385	2160	1935	5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HUNT, ARTHUR D	799	Lancaster Rd	3	2718	1612	1955	5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
IRVING, SHARON A	157	Lancaster Rd	3	3308	2600	1968	8 Hot Water	Oil	1010 Single Fam	1-3 family
NELSON, DOUG	948	Lancaster Rd	3	2864	1456	1965	5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
MCMINN, DANIELLE A	1253	Lancaster Rd	3	3776	1458		0 Hot Water	Oil	1010 Single Fam	1-3 family
JORDAN, RUBERTA M	504	Lancaster Rd	3	5519	2129	1900	0 Forced Hot Air	Oil	1010 Single Fam	1-3 family
JOY, LESLIE	413	Lancaster Rd	3	3656	1768		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
MCLAIN, JULIE	228	Lancaster Rd	3	4191	1630		0 Hot Water	Oil	1010 Single Fam	1-3 family
LAROCHE, REGINA	0	Lancaster Rd	3	504	204	1955	5 None	Coal or Wood	1010 Single Fam	1-3 family
ROY, GORDON	1022	Lancaster Rd	3	1574	486		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
LUNN JR, GLENN J	123	Lancaster Rd	3	4497	2124		3 Forced Hot Air	Coal or Wood	3320 AUTO REPR	Comm&Public
MUNCE'S REAL ESTATE VENTURES	25	Lancaster Rd	3	3684	1807		D Forced Hot Air	Gas	3110 RTL GAS ST	Comm&Public
LACASSE, RONALD	251	Lancaster Rd	3	3404	1572		6 Hot Water	Oil	1010 Single Fam	1-3 family
MARSHALL, RICHARD L	208	Lancaster Rd	3	5357	2056		0 Hot Water	Oil	1010 Single Fam	1-3 family
DEBLOIS, DANA L	528	Lancaster Rd	3	5806	2142		0 Hot Water	Coal or Wood	1010 Single Fam	1-3 family
MARSHALL, KATHY ELAINE	202	Lancaster Rd	3	3216	988		B Forced Hot Air	Oil	1010 Single Fam	1-3 family
MARSHALL, HAROLD E JR	1001	Lancaster Rd	3	3436	1512		5 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
WEEKS, DEBORAH M (KEDDY)	103	Lancaster Rd	3	4488	1704		B Hot Water	Oil	1010 Single Fam	1-3 family
WEBSTER, RICHARD J	103	Lancaster Rd	3	4400	1464		5 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
JORDAN, KEVIN J	351	Lancaster Rd	3	4266	2026		2 Hot Water	Oil	1010 Single Fam	1-3 family
MCLEAN, EDWARD	637	Lancaster Rd	3	4499	3204		5 Hot Water	Oil	3010 MOTELS	Comm&Public
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MERROW, ALLAN L	145	Lancaster Rd		2730	1040		B Hot Water	Oil	1010 Single Fam	1-3 family
	192	Lancaster Rd	3	2847	960		5 Hot Water	Oil	1010 Single Fam	1-3 family
	553	Lancaster Rd	3	2541	1356		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
OSJ OF NORTHUMBERLAND, LLC	583	Lancaster Rd	3	126592	61664		D Forced Hot Air	Gas	3230 SHOPNGMALL	Comm&Public
SCHUTT, BRIAN	216	Lancaster Rd	3	2848	1722		4 Hot Water	Oil	1010 Single Fam	1-3 family
STYLES, DAEGAN	257	Lancaster Rd	3	2384	988		5 Hot Water	Oil	1010 Single Fam	1-3 family
PARADIS, RICHARD	241	Lancaster Rd	3	2162	1012		0 Hot Water	Oil	1010 Single Fam	1-3 family
PATRICK, DOROTHY A	260	Lancaster Rd	3	1690	800		5 Electric	Electric	1010 Single Fam	1-3 family
GILCRIS, RACHELLE LYNN	529	Lancaster Rd	3	4470	1824		8 Hot Water	Oil	1010 Single Fam	1-3 family
PERRAS REVOCABLE TRUST 1993	1005/7	Lancaster Rd	3	4464	1602		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HICKEY, BENJAMIN	893	Lancaster Rd	3	3962	1438		0 Hot Water	Oil	1010 Single Fam	1-3 family
PERRAS, ROBERT	1196	Lancaster Rd	3	5848	2521		2 Hot Water	Oil	1010 Single Fam	1-3 family
WHITNEY, ALAN	789	Lancaster Rd	3	3540	1104	1971	1 Steam	Oil	1010 Single Fam	1-3 family
TETREAULT, OLIVA J	129	Lancaster Rd	3	8254	4452	1960	0 Hot Water	Oil	3010 MOTELS	Comm&Public
MUNDELL, CYNTHIA	541	Lancaster Rd	3	3140	1224	1977	7 Forced Hot Air	Oil	1010 Single Fam	1-3 family
SHELTRY, MARGARET E	247	Lancaster Rd	3	3842	1377	1961	1 Hot Water	Oil	1010 Single Fam	1-3 family
STILES SR TRUST, THE ROBERT	1060	Lancaster Rd	3	2646	994	1970	0 Forced Hot Air	Oil	1010 Single Fam	1-3 family
GAGNON, RISA P	292	Lancaster Rd	3	7402	4111	1828	8 Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
POTTER, LEROY	779	Lancaster Rd	3	1978	1127	1950	0 Hot Water	Oil	1010 Single Fam	1-3 family
GLINES, MURRAY A	1252	Lancaster Rd	3	2640	960	1973	3 Hot Water	Oil	1010 Single Fam	1-3 family
REYNOLDS, TRACY	1151	Lancaster Rd	3	1776	854	1981	1 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
RICH, JOHN	328	Lancaster Rd	3	3530	1560	1850	0 Hot Water	Oil	1010 Single Fam	1-3 family
HART, KATHLEEN M	284	Lancaster Rd	3	6204	2477	1960	0 Hot Water	Oil	1010 Single Fam	1-3 family
CLAY JR, HARRIMAN F	563	Lancaster Rd	3	2696	1296	1999	9 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
DEBLOIS, SHAWN E	407	Lancaster Rd	3	3122	1389	1985	5 Hot Water	Oil	1010 Single Fam	1-3 family
PADULA, JOHN A	834	Lancaster Rd	3	3489	2085	1940	0 Forced Hot Air	Gas	3260 REST/CLUBS	Comm&Public
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SMITH, CARILYN J	519	Lancaster Rd	3	2820	1296	1978	3 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HURLBERT JR, DARWIN B	540	Lancaster Rd	3	1924	1050	1900) Forced Hot Air	Oil	1010 Single Fam	1-3 family
DUNHAM, CATHY A	565	Lancaster Rd	3	3514	1008	1991	I Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
ABBOTT, GREGORY, SR	1210	Lancaster Rd	3	3096	1440	2006	6 Hot Water	Gas	1010 Single Fam	1-3 family
BERRY, JEFFREY	1075	Lancaster Rd	3	2294	744	1950) Hot Water	Oil	1010 Single Fam	1-3 family
STYLES, PEARL	731	Lancaster Rd	3	5543	2892	1875	5 Steam	Oil	1040 TWO FAMILY	1-3 family
WAGNER, ADELENE	753	Lancaster Rd	3	2746	1008	1935	5 Hot Water	Oil	1010 Single Fam	1-3 family
WELCH, J. MERLYN	341	Lancaster Rd	3	2810	1235	1975	5 Hot Water	Oil	1010 Single Fam	1-3 family
YOUNG, DANIEL W	545	Lancaster Rd	3	3344	1296	1960) Forced Hot Air	Oil	1010 Single Fam	1-3 family
WILKINSON REVOCABLE TRUST 1997	429	Lancaster Rd	3	3990	1890	1967	7 Forced Hot Air	Oil	1010 Single Fam	1-3 family
BODNAR, JOSEPH J	1068	Lancaster Rd	3	2676	1280	1970) Hot Water	Oil	1010 Single Fam	1-3 family
PIERCE-MERNER, OTILLA J	1041	Lancaster Rd	3	4146	2073	1950) Forced Hot Air	Oil	1040 TWO FAMILY	1-3 family
BELAND, ALPHONSE	809	Lancaster Rd	3	3593	1761	1950) Hot Water	Oil	1040 TWO FAMILY	1-3 family
MILLER, EVELYN	687	Lancaster Rd	3	2016	876	1952	2 None	Coal or Wood	1010 Single Fam	1-3 family
WINN, GERALD	1112	Lancaster Rd	3	9000	4500	1987	7 None	Coal or Wood	4010 IND WHSES	Comm&Public
MAY, ROGER	1267	Lancaster Rd	3	2224	1092	1989	9 Hot Water	Oil	1010 Single Fam	1-3 family
NORTHUMBERLAND, TOWN OF	299	Lancaster Rd	3	2046	1023	1799	9 None	Coal or Wood	903C MUNICPAL MDL-94	Comm&Public
PERKINS, DANA	1037	Lancaster Rd	3	3275	1440	1955	5 Hot Water	Oil	1010 Single Fam	1-3 family
CUNNINGHAM, MARY JANE	1236	Lancaster Rd	3	2344	1064	1990) Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
HEON, RAYMOND		Lancaster Rd	3	512	256	1960) None	Coal or Wood	1010 Single Fam	1-3 family
NORTHUMBERLAND, TOWN OF		Lancaster Rd	3	336	168	1965	5 Forced Hot Air	Gas	903C MUNICPAL MDL-94	Comm&Public
CARON, DAVID A	1148	Lancaster Rd	3	10242	4800	2001	1 None	Gas	3220 STORE/SHOP	Comm&Public
HERSOM, RUTH L	179	Lancaster Rd	3	2236	960	1992	2 Hot Water	Oil	1010 Single Fam	1-3 family
GONYER, JONATHAN	446	NH RT 110	3	2158	960	1975	5 Hot Water	Oil	1010 Single Fam	1-3 family
MCCARTHY, DARRIN L	366	NH RT 110	3	3654	1352	1976	6 Hot Water	Oil	1010 Single Fam	1-3 family
BEZANSON, EDWARD S	8	NH RT 110	3	2592	1170	1940) Hot Water	Oil	1010 Single Fam	1-3 family
BENOIT, SIMONE	22	NH RT 110	3	3172	1385	1900) Hot Water	Oil	1010 Single Fam	1-3 family
BERUBE, DWIGHT E	424	NH RT 110	3	3724	1372	1978	3 Hot Water	Coal or Wood	1010 Single Fam	1-3 family
BLODGETT, DELORES	474	NH RT 110	3	2464	960	1978	3 Hot Water	Oil	1010 Single Fam	1-3 family
CHARRON, DENNIS	26	NH RT 110	3	2939	1120	1976	6 Hot Water	Oil	1010 Single Fam	1-3 family
BLODGETT, DELORES	482	NH RT 110	3	2033	924		4 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
DONNELLY, ELSIE	14	NH RT 110	3	2067	912		2 Hot Water	Oil	1010 Single Fam	1-3 family
KENISON, MARY E	220	NH RT 110	3	4439	1800		5 Hot Water	Oil	1010 Single Fam	1-3 family
HAAS, JON T	462	NH RT 110	3	2980	960		4 Hot Water	Oil	1010 Single Fam	1-3 family
HAND, GERARD	459	NH RT 110	3	2648	851		5 Hot Water	Oil	1010 Single Fam	1-3 family
HART, RICHARD D	6	NH RT 110	3	3599	1404		1 Hot Water	Oil	1010 Single Fam	1-3 family
STIMPSON, WENDA D	24	NH RT 110	3	3058	884) Hot Water	Oil	1010 Single Fam	1-3 family
HIBBARD, ALBERTA B	402	NH RT 110	3	1768	720		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
KARL, WAYNE R	441	NH RT 110	3	3955	1507		5 Hot Water	Oil	1010 Single Fam	1-3 family
TETU, CHARLES JR	406	NH RT 110	3	2496	933		4 Hot Water	Oil	1010 Single Fam	1-3 family
DAVENPORT, DANIEL B II	412	NH RT 110	3	1962	924	-	Hot Water	Oil	1010 Single Fam	1-3 family
MACNEVINS, ANDREW J	563	NH RT 110	3	3215	1536		5 Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
SPOTTISWOOD, KEVIN		NH RT 110	3	2105	880		6 Hot Water	Oil	1010 Single Fam	1-3 family
GILL, RONALD	256	NH RT 110	3	4396	1596) Forced Hot Air	Gas	1010 Single Fam	1-3 family
BELAND, ALPHONSE	58	Riverside	3	2963	1502		3 Forced Hot Air	Oil	1010 Single Fam	1-3 family
BELAND, ALPHONSE	34	Riverside	3	2426	891		5 Hot Water	Oil	1010 Single Fam	1-3 family
MARSHALL, JULIE A	10	Riverside	3	2408	864	1955	5 Forced Hot Air	Oil	1010 Single Fam	1-3 family

Owner's Name	Street N	lo Street Name	Area I	Bidg Area Grosঃ Bidg Are	a Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
WELCH, BERNARD F	30	Riverside	3	3411	1184	1955	5 Hot Water	Oil	1010 Single Fam	1-3 family
RIENDEAU, GEORGE	46	Riverside	3	2698	1305	1963	B Hot Water	Oil	1010 Single Fam	1-3 family
DEYETTE, FARON W	52	Riverside	3	3765	1628	1935	5 Hot Water	Oil	1010 Single Fam	1-3 family
AICARDI JR, WILLIAM F	56	Riverside	3	1680	672	1965	5 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
RICHARD JR, JOHN F	22	Riverside	3	2988	993	1954	1 Hot Water	Oil	1010 Single Fam	1-3 family
ASHE, ROBIN J	42	Riverside	3	3184	1378	1955	5 Hot Water	Oil	1010 Single Fam	1-3 family
ROBINSON, EDMUND	50	Riverside	3	3027	1782	1950) Hot Water	Oil	1010 Single Fam	1-3 family
RIVERS, GARY H	38	Riverside	3	2873	1016	1955	5 Hot Water	Oil	1010 Single Fam	1-3 family
BAILEY, LORIE A	104	Wemyss	3	2967	912	1975	5 None	Coal or Wood	1010 Single Fam	1-3 family
SHATNEY, JOHN N	101	Wemyss	3	2749	1137	1981	Hot Water	Oil	1010 Single Fam	1-3 family
COLLINS REVOCABLE TRUST-2000	113	Wemyss	3	5460	2484	1975	5 Hot Water	Oil	1010 Single Fam	1-3 family
DAIGNEAULT, RONALD W	57	Wemyss	3	3076	1350	1973	B Hot Water	Oil	1010 Single Fam	1-3 family
GONYER, JAMES M	106	Wemyss	3	3000	1320	1979	Hot Water	Oil	1010 Single Fam	1-3 family
HAWES, ROBERT D	49	Wemyss	3	2250	1642	1974	1 Hot Water	Oil	1010 Single Fam	1-3 family
LAMBERT, STEPHAN G	85	Wemyss	3	3024	1280	1970) Hot Water	Oil	1010 Single Fam	1-3 family
RUCH, KARL L	33	Wemyss	3	4377	2304		2 Hot Water	Oil	1010 Single Fam	1-3 family
SEQUIN, DENIS	67	Wemyss	3	3046	1456		B Hot Water	Oil	1010 Single Fam	1-3 family
RAINVILLE, FREDERICK J	129	Wemyss	3	3082	1686		6 Hot Water	Oil	1010 Single Fam	1-3 family
MOREY, PETER	91	Wemyss	3	3556	1288		5 Hot Water	Oil	1010 Single Fam	1-3 family
ORDZIE, THOMAS	100	Wemyss	3	3863	1960		6 Hot Water	Oil	1010 Single Fam	1-3 family
IRVING, MICHAEL J	43	Wemyss	3	2807	1648		B Hot Water	Oil	1010 Single Fam	1-3 family
REYNOLDS, NANCY C M	122	Wemyss	3	3501	1700		Hot Water	Oil	1010 Single Fam	1-3 family
REYNOLDS, WILLIAM T	75	Wemyss	3	4194	1638		B Hot Water	Oil	1010 Single Fam	1-3 family
PIKE, JOHN W	123	Wemyss	3	2752	1170		Hot Water	Oil	1010 Single Fam	1-3 family
HASKINS, TIMOTHY	43	Winter	3	2265	1164) Hot Water	Oil	1010 Single Fam	1-3 family
THIBEAULT, BERNARD	49	Winter	3	1941	992) Hot Water	Oil	1010 Single Fam	1-3 family
BENOIT, SHARON	58	Winter	3	2406	1063) Hot Water	Oil	1010 Single Fam	1-3 family
NEWTON, RAYMOND R	34	Winter	3	2306	1131		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HOPPS, KEVIN B	6	Winter	3	2244	1260		5 Hot Water	Oil	1010 Single Fam	1-3 family
MORRISSETTE, ALAN R	15	Winter	3	1976	924		Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BRAASE, HEATHER	44	Winter	3	3070	1357) Hot Water	Oil	1010 Single Fam	1-3 family
HAWES, NEVA	42	Winter	3	2768	1120		5 Hot Water	Oil	1010 Single Fam	1-3 family
GADWAH, BRIAN S	45	Winter	3	3248	1736) Hot Water	Oil	1010 Single Fam	1-3 family
OAKES, PHILIP	53	Winter	3	2472	1309) Hot Water	Oil	1010 Single Fam	1-3 family
SHANNON, ERIN M	61	Winter	3	1176	588) Floor Furnace	Oil	1010 Single Fam	1-3 family
BOIVIN, LAWRENCE T	41	Winter	3	2237	1312) Forced Hot Air	Oil	1010 Single Fam	1-3 family
CHUMACK, MARIE (SMITH)	14	Winter	3	1730	835) Hot Water	Oil	1010 Single Fam	1-3 family
TETREAULT, JOSEPH T	31	Winter	3	2839	1495		5 Hot Water	Oil	1010 Single Fam	1-3 family
HOPPS, KEVIN B	10	Winter	3	2033	800) Hot Water	Oil	1010 Single Fam	1-3 family
BERUBE, DWIGHT E	83	Ball Rd	4	3479	1318		Forced Hot Air	Oil	1010 Single Fam	1-3 family
STONE, NICHOLAS	19	Ball Rd	4	3486	1263) Hot Water	Oil	1010 Single Fam	1-3 family
SULLIVAN IRREVOCABLE TRUST, JO	47	Ball Rd	4	3943	1203		B Hot Water	Oil	1010 Single Fam	1-3 family
WILES, KATHY (LOCKE)	72	Ball Rd	4	5555	3039		3 Forced Hot Air	Oil	1010 Single Fam	1-3 family
MONAGHAN, KIM	401	Brown	4	2224	1040		B Hot Water	Oil	1010 Single Fam	1-3 family
BEATON, ARTHUR R	263	Brown	4	1945	924		Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BELISLE, BERNARD	203 456	Brown	4	4105	924 1572		2 Hot Water	Oil	1010 Single Fam	1-3 family
CURRIER, STEPHEN	450 251	Brown	4	2868	1209		3 Forced Hot Air	Oil	1010 Single Fam	1-3 family
CONTRER, OTEL HEN	201	DIOWII	+	2000	1209	1900				1-5 railling

HART, ROBERT 235 Brown 4 4881 1760 2002 Hot Water Oil 1010 Single Fam 1-5 GRAY, GORDON 317 Brown 4 2180 1058 1920 Hot Water Oil 1010 Single Fam 1-3 DILBOY, KENNETH E 404 Brown 4 2241 1032 1967 Forced Hot Air Oil 1010 Single Fam 1-3 GLIDERV, KENNETH E 404 Brown 4 2362 1100 197 Hot Water Oil 1010 Single Fam 1-5 GLIDERV, NULLIAM 350 Brown 4 2362 1100 197 Hot Water Oil 1010 Single Fam 1-5 TAYLOR, RICHARD L 438 Brown 4 2262 1986 1970 Hot Water Oil 1010 Single Fam 1-5 BREAULT, CHESTER 397 Brown 4 2221 986 1970 Hot Water Oil 1010 Single Fam 1-5 JEWELL, BRADLEY P 418 Brown 4 2835 1208 1972 Hot Water Oil 1010 Single Fam 1-5 JEKELL, SHARON (MAGUIRE)	3 family 3 family
HART, ROBERT 255 Brown 4 4881 1760 2002 Hot Water Oil 1010 Single Fam 1-5 GRAY, GORDON 317 Brown 4 2180 1058 1920 Hot Water Oil 1010 Single Fam 1-3 DILBOY, KEINETH E 404 Brown 4 2241 1032 1967 Forced Hot Air Oil 1010 Single Fam 1-3 GLIDER, KONALD J 199 Brown 4 2362 1100 194 Hot Water Oil 1010 Single Fam 1-3 GLIDER, WILLIAM 350 Brown 4 2362 1100 194 Hot Water Oil 1010 Single Fam 1-3 GLIDEN, WILLIAM 350 Brown 4 2362 1100 194 Hot Water Oil 1010 Single Fam 1-3 TAYLOR, RICHARD L 438 Brown 4 221 986 1970 Hot Water Oil 1010 Single Fam 1-3 JEWELL, BRADLEY P 418 Brown 4 2435 1280 1972 Hot Water Oil 1010 Single Fam 1-3 JEWELL, BRADLEY P 418	3 family 3 family 3 family 3 family 3 family 3 family 3 family 3 family 3 family
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BREAULT, CHESTER 397 Brown 4 2221 986 1970 Hot Water Oil 1010 Single Fam 1-3 HAPCOOD, WALTER 442 Brown 4 2070 780 1962 Hot Water Oil 1010 Single Fam 1-3 JEWELL, BRADLEY P 418 Brown 4 2835 1208 1962 Hot Water Oil 1010 Single Fam 1-3 KENNETT, JOSEPH 23 Brown 4 2835 1208 1972 Hot Water Oil 1010 Single Fam 1-3 LACROIX, LEON J 49 Brown 4 2600 924 1996 Forced Hot Air Oil 1010 Single Fam 1-3 BILODEAU, TIMMY J 60 Brown 4 2640 902 1959 Hot Water Oil 1010 Single Fam 1-3 TYLER, ARLAND 389 Brown 4 2330 924 1989 Hot Water Oil 1010 Single Fam 1-3 OSGOODE, WILLIAM L 53 Brown 4 238 1024 1985 Hot Water	
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JEWELL, BRADLEY P 418 Brown 4 1911 912 1960 Forced Hot Air Oil 1010 Single Fam 1-3 KENNETT, JOSEPH 23 Brown 4 2835 1208 1972 Hot Water Oil 1010 Single Fam 1-3 FRIZZELL, SHARON (MAGUIRE) 409 Brown 4 2600 924 1996 Forced Hot Air Oil 1010 Single Fam 1-3 LACROIX, LEON J 49 Brown 4 2600 924 1996 Forced Hot Air Oil 1010 Single Fam 1-3 BLODEAU, TIMMY J 60 Brown 4 2640 902 1959 Hot Water Oil 1010 Single Fam 1-3 TYLER, ARLAND 389 Brown 4 2338 1066 1985 Hot Water Oil 1010 Single Fam 1-3 OSGOODE, WILLIAM L 53 Brown 4 2338 1024 1955 Floor Furnace Gas 1010 Single Fam 1-3 BENARD, DAVID W 376 Brown 4 2256 1050	3 family
KENNETT, JOSEPH 23 Brown 4 2835 1208 1972 Hot Water Oil 1010 Single Fam 1-3 FRIZZELL, SHARON (MAGUIRE) 409 Brown 4 3411 1918 1900 Forced Hot Air Oil 1010 Single Fam 1-3 LACROIX, LEON J 49 Brown 4 2600 924 1996 Forced Hot Air Oil 1010 Single Fam 1-3 BILODEAU, TIMMY J 60 Brown 4 2640 902 1959 Hot Water Oil 1010 Single Fam 1-3 TYLER, ARLAND 389 Brown 4 2330 924 1989 Hot Water Oil 1010 Single Fam 1-3 OSGODE, WILLIAM L 53 Brown 4 2338 1024 1955 Floor Funace Gas 1010 Single Fam 1-3 OSGODE, WILLIAM L 53 Brown 4 2338 1024 1955 Floor Funace Gas 1010 Single Fam 1-3 OSGODE, WILLIAM L 53 Brown 4 2256 1050 <	3 family
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LACROIX, LEON J 49 Brown 4 2600 924 1996 Forced Hot Air Oil 1030 Mobile Hom 1-3 BILODEAU, TIMMY J 60 Brown 4 2640 902 1959 Hot Water Oil 1010 Single Fam 1-3 TYLER, ARLAND 389 Brown 4 2330 924 1989 Hot Water Oil 1010 Single Fam 1-3 MARSHALL, GREGG R 379 Brown 4 2338 1056 1985 Hot Water Oil 1010 Single Fam 1-3 OSGOODE, WILLIAM L 53 Brown 4 2538 1024 1955 Floor Furnace Gas 1010 Single Fam 1-3 DSGOODE, WILLIAM L 53 Brown 4 2256 1050 1960 Hot Water Oil 1010 Single Fam 1-3 CARSON, MICHAEL R 189 Brown 4 2256 1050 1960 Hot Water Oil 1010 Single Fam 1-3 RICHARDS, ESTATE OF FRANK J 441 Brown 4 2330 1012 1985 Forced Hot Air Oil 1010 Single Fam 1-3 ROBINSON, MAURICE<	3 family
BILODEAU, TIMMY J 60 Brown 4 2640 902 1959 Hot Water Oil 1010 Single Fam 1-3 TYLER, ARLAND 389 Brown 4 2330 924 1989 Hot Water Oil 1010 Single Fam 1-3 MARSHALL, GREGG R 379 Brown 4 2338 1056 1985 Hot Water Oil 1010 Single Fam 1-3 OSGOODE, WILLIAM L 53 Brown 4 2538 1024 1955 Floor Furnace Gas 1010 Single Fam 1-3 BENARD, DAVID W 376 Brown 4 2256 1050 1960 Hot Water Oil 1010 Single Fam 1-3 CARSON, MICHAEL R 189 Brown 4 2216 1024 1985 Forced Hot Air Oil 1030 Mobile Hom 1-3 RICHARDS, ESTATE OF FRANK J 441 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 MANCHESTER, SHIRLEY 54 Brown 4 2330 1012	3 family
TYLER, ARLAND 389 Brown 4 2330 924 1989 Hot Water Oil 1030 Mobile Hom 1-33 MARSHALL, GREGG R 379 Brown 4 2338 1056 1985 Hot Water Oil 1010 Single Fam 1-33 OSGOODE, WILLIAM L 53 Brown 4 2538 1024 1955 Floor Furnace Gas 1010 Single Fam 1-33 BENARD, DAVID W 376 Brown 4 3483 1347 1976 Hot Water Oil 1010 Single Fam 1-33 PINETTE, DENNIS 466 Brown 4 2256 1050 1960 Hot Water Oil 1010 Single Fam 1-33 CARSON, MICHAEL R 189 Brown 4 2216 1024 1985 Forced Hot Air Oil 1010 Single Fam 1-33 ROBINSON, MAURICE 48 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-33 MARCHESTER, SHIRLEY 54 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-33 ST ONGE, MICHAEL	3 family
MARSHALL, GREGG R 379 Brown 4 2338 1056 1985 Hot Water Oil 1010 Single Fam 1-3 OSGOODE, WILLIAM L 53 Brown 4 2538 1024 1955 Floor Funace Gas 1010 Single Fam 1-3 BENARD, DAVID W 376 Brown 4 3483 1347 1976 Hot Water Oil 1010 Single Fam 1-3 PINETTE, DENNIS 466 Brown 4 2256 1050 1960 Hot Water Oil 1010 Single Fam 1-3 CARSON, MICHAEL R 189 Brown 4 2216 1024 1985 Forced Hot Air Oil 1030 Mobile Hom 1-3 RICHARDS, ESTATE OF FRANK J 441 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 ROBINSON, MAURICE 48 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 SMITH, ROBERT P 398 Brown 4 6396 2388	3 family
OSGOODE, WILLIAM L 53 Brown 4 2538 1024 1955 Floor Furnace Gas 1010 Single Fam 1-3 BENARD, DAVID W 376 Brown 4 3483 1347 1976 Hot Water Oil 1010 Single Fam 1-3 PINETTE, DENNIS 466 Brown 4 2256 1050 1960 Hot Water Oil 1010 Single Fam 1-3 CARSON, MICHAEL R 189 Brown 4 2216 1024 1985 Forced Hot Air Oil 1030 Mobile Hom 1-3 RICHARDS, ESTATE OF FRANK J 441 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 ROBINSON, MAURICE 48 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 SMITH, ROBERT P 398 Brown 4 3284 1536 1957 Forced Hot Air Oil 1010 Single Fam 1-3 ST ONGE, MICHAEL 37 Brown 4 2388 1810 Hot Wat	3 family
BENARD, DAVID W 376 Brown 4 3483 1347 1976 Hot Water Oil 1010 Single Fam 1-3 PINETTE, DENNIS 466 Brown 4 2256 1050 1960 Hot Water Oil 1010 Single Fam 1-3 CARSON, MICHAEL R 189 Brown 4 2216 1024 1985 Forced Hot Air Oil 1030 Mobile Hom 1-3 RICHARDS, ESTATE OF FRANK J 441 Brown 4 2034 858 1959 Forced Hot Air Oil 1010 Single Fam 1-3 ROBINSON, MAURICE 48 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 MANCHESTER, SHIRLEY 54 Brown 4 3284 1536 1957 Forced Hot Air Oil 1010 Single Fam 1-3 SMITH, ROBERT P 398 Brown 4 6396 2388 1810 Hot Water Oil 1010 Single Fam 1-3 FOY, DAVID T 414 Brown 4 2180 958	3 family
PINETTE, DENNIS 466 Brown 4 2256 1050 1960 Hot Water Oil 1010 Single Fam 1-3 CARSON, MICHAEL R 189 Brown 4 2216 1024 1985 Forced Hot Air Oil 1030 Mobile Hom 1-3 RICHARDS, ESTATE OF FRANK J 441 Brown 4 2034 858 1959 Forced Hot Air Oil 1030 Mobile Hom 1-3 ROBINSON, MAURICE 48 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 MANCHESTER, SHIRLEY 54 Brown 4 3284 1536 1957 Forced Hot Air Oil 1010 Single Fam 1-3 SMITH, ROBERT P 398 Brown 4 6396 2388 1810 Hot Water Oil 1010 Single Fam 1-3 ST ONGE, MICHAEL 37 Brown 4 2180 958 1972 Hot Water Oil 1010 Single Fam 1-3 FOY, DAVID T 414 Brown 4 3704 1782 1998 Forced Hot Air Oil 1030 Mobile Hom 1-3 WHITE, TERRENC	3 family
CARSON, MICHAEL R 189 Brown 4 2216 1024 1985 Forced Hot Air Oil 1030 Mobile Hom 1-3 RICHARDS, ESTATE OF FRANK J 441 Brown 4 2034 858 1959 Forced Hot Air Oil 1030 Mobile Hom 1-3 ROBINSON, MAURICE 48 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 MANCHESTER, SHIRLEY 54 Brown 4 3284 1536 1957 Forced Hot Air Oil 1010 Single Fam 1-3 SMITH, ROBERT P 398 Brown 4 6396 2388 1810 Hot Water Oil 1010 Single Fam 1-3 ST ONGE, MICHAEL 37 Brown 4 2180 958 1972 Hot Water Oil 1010 Single Fam 1-3 FOY, DAVID T 414 Brown 4 3704 1782 1998 Forced Hot Air Oil 1030 Mobile Hom 1-3 WHITE, TERRENCE 356 Brown 4 2538 12301	3 family
RICHARDS, ESTATE OF FRANK J441Brown420348581959 Forced Hot AirOil1030 Mobile Hom1-3ROBINSON, MAURICE48Brown4233010121960 Hot WaterOil1010 Single Fam1-3MANCHESTER, SHIRLEY54Brown4328415361957 Forced Hot AirOil1010 Single Fam1-3SMITH, ROBERT P398Brown4639623881810 Hot WaterOil1010 Single Fam1-3ST ONGE, MICHAEL37Brown421809581972 Hot WaterOil1010 Single Fam1-3FOY, DAVID T414Brown4370417821998 Forced Hot AirOil1030 Mobile Hom1-3WHITE, TERRENCE356Brown4253812301958 Hot WaterOil1010 Single Fam1-3DUPUIS, RICHARD38Brown4253812301958 Hot WaterOil1010 Single Fam1-3	3 family
ROBINSON, MAURICE 48 Brown 4 2330 1012 1960 Hot Water Oil 1010 Single Fam 1-3 MANCHESTER, SHIRLEY 54 Brown 4 3284 1536 1957 Forced Hot Air Oil 1010 Single Fam 1-3 SMITH, ROBERT P 398 Brown 4 6396 2388 1810 Hot Water Oil 1010 Single Fam 1-3 ST ONGE, MICHAEL 37 Brown 4 2180 958 1972 Hot Water Oil 1010 Single Fam 1-3 FOY, DAVID T 414 Brown 4 3704 1782 1998 Forced Hot Air Oil 1030 Mobile Hom 1-3 WHITE, TERRENCE 356 Brown 4 1939 868 1971 Forced Hot Air Oil 1030 Mobile Hom 1-3 DUPUIS, RICHARD 38 Brown 4 2538 1230 1958 Hot Water Oil 1010 Single Fam 1-3	3 family
MANCHESTER, SHIRLEY 54 Brown 4 3284 1536 1957 Forced Hot Air Oil 1010 Single Fam 1-3 SMITH, ROBERT P 398 Brown 4 6396 2388 1810 Hot Water Oil 1010 Single Fam 1-3 ST ONGE, MICHAEL 37 Brown 4 2180 958 1972 Hot Water Oil 1010 Single Fam 1-3 FOY, DAVID T 414 Brown 4 3704 1782 1998 Forced Hot Air Oil 1030 Mobile Hom 1-3 WHITE, TERRENCE 356 Brown 4 1939 868 1971 Forced Hot Air Oil 1030 Mobile Hom 1-3 DUPUIS, RICHARD 38 Brown 4 2538 1230 1958 Hot Water Oil 1010 Single Fam 1-3	3 family
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WHITE, TERRENCE 356 Brown 4 1939 868 1971 Forced Hot Air Oil 1030 Mobile Hom 1-3 DUPUIS, RICHARD 38 Brown 4 2538 1230 1958 Hot Water Oil 1010 Single Fam 1-3	3 family
WHITE, TERRENCE 356 Brown 4 1939 868 1971 Forced Hot Air Oil 1030 Mobile Hom 1-3 DUPUIS, RICHARD 38 Brown 4 2538 1230 1958 Hot Water Oil 1010 Single Fam 1-3	3 family
	3 family
	3 family
NEW HAMPSHIRE, STATE OF 116 Brown 4 6000 3000 1970 Forced Hot Air Oil 903C MUNICPAL MDL-94 Co	omm&Public
	3 family
FRIZZELL, MARION L 367 Brown 4 4114 1260 1983 Hot Water Oil 1010 Single Fam 1-3	3 family
SWEATT, DEAN O 27 Brown 4 1976 924 1995 Forced Hot Air Oil 1030 Mobile Hom 1-3	3 family
	3 family
LABOUNTY, TIMOTHY 296 Brown 4 3240 1574 2006 Hot Water Oil 1010 Single Fam 1-3	3 family
CUMMINGS, HERBERT 31 Brown 4 2280 960 1976 Hot Water Oil 1010 Single Fam 1-3	3 family
SIMINO JR, MICHAEL A 14 Craggy 4 2973 1528 1974 Hot Water Oil 1010 Single Fam 1-3	3 family
	3 family
WHITING III, LEONARD E 4 Craggy 4 3457 1478 1945 Forced Hot Air Oil 1010 Single Fam 1-3	3 family
	omm&Public
	3 family
	3 family
	3 family
	omm&Public
	3 family
CURTIS JR, WOODBURY 14 Tetu 4 4912 2399 1935 Forced Hot Air Oil 1010 Single Fam 1-3	-

Owner's Name	Street N	o Street Name	Area	Bldg Area Gros: Bldg Area	Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
SAWYER, HOLLIS H	10	Tetu	4	1744	720	19	34 Forced Hot Air	Oil	1010 Single Fam	1-3 family
ROY, OMER J	34	Tetu	4	1988	955	19	73 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
COLLINS, JOY V	30	Tetu	4	3348	1267	19	50 Hot Water	Oil	1010 Single Fam	1-3 family
DINGMAN, AL	24	Tetu	4	4685	2456	19	73 Hot Water	Oil	1010 Single Fam	1-3 family
BLODGETT, ROBERT	6	Tetu	4	2717	1664	19	34 Steam	Oil	1010 Single Fam	1-3 family
ADAIR, KENNETH	1543	Lost Nation	ЗA	3294	1274	19	87 Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
AKESSON, ROBERT	727	Lost Nation	ЗA	3294	1485	19	77 Forced Hot Air	Oil	1010 Single Fam	1-3 family
ALDRICH, RONALD	1441	Lost Nation	ЗA	1492	720	19	68 None	Coal or Wood	1010 Single Fam	1-3 family
SWEATT (ASH), MARION	1232	Lost Nation	ЗA	2346	960	19	72 Hot Water	Oil	1010 Single Fam	1-3 family
FASS, RICHARD	400	Lost Nation	ЗA	2934	1208	19	00 Forced Hot Air	Gas	1010 Single Fam	1-3 family
BERNARD, ULDRIC	1265	Lost Nation	ЗA	2872	1738	19	79 Hot Water	Oil	1010 Single Fam	1-3 family
BOUCHARD, WALTER	1174	Lost Nation	ЗA	3076	1248	19	65 Hot Water	Oil	1010 Single Fam	1-3 family
CHARBONNEAU, TIMOTHY	1142	Lost Nation	ЗA	3508	1432	19	92 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
CALL, JOHN	1192	Lost Nation	ЗA	3556	1587	19	67 Hot Water	Oil	1010 Single Fam	1-3 family
CANTIN, REYNOLD	1204	Lost Nation	ЗA	1776	888	19	64 Hot Water	Oil	1010 Single Fam	1-3 family
SAVAGE, SHARON L	28	Lost Nation	ЗA	876	428	19	50 None	Gas	1010 Single Fam	1-3 family
FONTAINE, CHRISTINA	1195	Lost Nation	ЗA	2354	1056	19	71 Hot Water	Oil	1010 Single Fam	1-3 family
DURANT, KEVIN	403	Lost Nation	ЗA	1092	546	19	65 None	Coal or Wood	1010 Single Fam	1-3 family
CUNNINGHAM, MARY JANE	1257	Lost Nation	ЗA	2568	1196	19	71 Forced Hot Air	Oil	1010 Single Fam	1-3 family
ARMSTRONG, JAMIE (DAMON)	1310	Lost Nation	ЗA	1704	840	19	72 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
DAMON, MERLE	1284	Lost Nation	ЗA	3180	1512	19	90 Forced Hot Air	Oil	1010 Single Fam	1-3 family
BOIVIN, MARC	1292	Lost Nation	ЗA	2528	1188	20	00 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
FACCONE, ROBERT P	1276	Lost Nation	ЗA	3270	1400	19	89 Forced Hot Air	Oil	1010 Single Fam	1-3 family
DESAUTELS, ANDRE	234	Lost Nation	ЗA	2684	1204	19	81 Hot Water	Oil	1030 Mobile Hom	1-3 family
DEYETTE, TYRONE J	869	Lost Nation	ЗA	2728	1648	19	74 None	Coal or Wood	1010 Single Fam	1-3 family
DIFFENBACHER, JAMES	1573	Lost Nation	ЗA	2409	1012	19	45 Forced Hot Air	Oil	1010 Single Fam	1-3 family
DOYLE, MATTHEW A	66	Lost Nation	ЗA	2360	1100	19	71 Forced Hot Air	Oil	1010 Single Fam	1-3 family
FORTIER, DONALD	1318	Lost Nation	ЗA	4027	1281	19	76 Forced Hot Air	Oil	1010 Single Fam	1-3 family
BALMORAL REALTY TRUST	1264	Lost Nation	ЗA	6519	4160	19	72 Floor Furnace	Oil	1110 APT 4-UNT	Apt
BRYANT, ALLAN E	1266	Lost Nation	ЗA	3864	1904	19	80 Forced Hot Air	Oil	1010 Single Fam	1-3 family
EMERSON JR, LESLIE Z		Lost Nation	ЗA	1152	480	19	62 None	Coal or Wood	1010 Single Fam	1-3 family
FONTAINE, NELSON S	1139	Lost Nation	ЗA	2874	1215	19	65 Hot Water	Coal or Wood	1010 Single Fam	1-3 family
MORRILL, TRACEY E	641	Lost Nation	ЗA	5178	1845	18	80 None	Coal or Wood	1010 Single Fam	1-3 family
GILCRIS, RONAL C	1557	Lost Nation	ЗA	2168	864	19	70 Forced Hot Air	Oil	1010 Single Fam	1-3 family
GILMAN, THERESA M L	1254	Lost Nation	ЗA	3088	1500	19	70 Forced Hot Air	Oil	1010 Single Fam	1-3 family
GOULET, AIME A	1219	Lost Nation	ЗA	2256	1106	18	50 Forced Hot Air	Oil	1010 Single Fam	1-3 family
GOULET, MARK	1201	Lost Nation	ЗA	2937	1456	19	99 Hot Water	Oil	1010 Single Fam	1-3 family
GUILE, LARRY ALAN	336	Lost Nation	ЗA	2162	960	19	75 Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
CAOUETTE, ANDREW E	1180	Lost Nation	ЗA	3280	1002	19	74 Hot Water	Oil	1010 Single Fam	1-3 family
HOLMES, CHRISTIAN	1403	Lost Nation	ЗA	2161	768	19	70 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HOLMES, ALLEN E	1381	Lost Nation	ЗA	4074	1727	19	85 Hot Water	Coal or Wood	1010 Single Fam	1-3 family
HURLBUTT, DAVID	550	Lost Nation	ЗA	3240	1362	19	72 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
SKOUSEN, DANIEL	475	Lost Nation	ЗA	1658	989	19	60 Hot Water	Oil	1010 Single Fam	1-3 family
BRONSON, KEITH	1326	Lost Nation	ЗA	2447	1056	19	78 Forced Hot Air	Oil	1010 Single Fam	1-3 family
LIVINGSTONE, ERIC SEEGER		Lost Nation	ЗA	154	112	20	06 None	Coal or Wood	1010 Single Fam	1-3 family
GREENE, WILLIAM C.	40	Lost Nation	ЗA	2828	1310	19	70 Hot Water	Oil	1010 Single Fam	1-3 family
ROBINSON, MARK	1184	Lost Nation	ЗA	4348	1725	19	65 Hot Water	Oil	1010 Single Fam	1-3 family

Owner's Name	Street N	o Street Name	Area B	ldg Area Gros؛Bldg A	rea Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
WILSON, ROBERT F	558	Lost Nation	ЗA	2248	1020	1974	Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BUSS, JAMES R	792	Lost Nation	ЗA	3415	1470	1900	Forced Hot Air	Oil	1010 Single Fam	1-3 family
REYNOLDS, MICHAEL	772	Lost Nation	ЗA	1800	864	1960) None	Coal or Wood	1010 Single Fam	1-3 family
MCDONOUGH, PATRICE	158	Lost Nation	ЗA	3148	1428	1840) None	Coal or Wood	1010 Single Fam	1-3 family
AYERS, CHARLES H JR	1240	Lost Nation	3A	2668	1104	1972	2 Forced Hot Air	Oil	1010 Single Fam	1-3 family
CARTER, BRUCE	1447	Lost Nation	3A	2342	1610	1972	2 Hot Water	Oil	1010 Single Fam	1-3 family
GREEN, EVELYN L	1584	Lost Nation	3A	2760	1380	1990	Forced Hot Air	Oil	1010 Single Fam	1-3 family
DOWNING, GARY P	521	Lost Nation	3A	1092	540	1965	Hot Water	Oil	1010 Single Fam	1-3 family
NOYES, NORMA	1164	Lost Nation	3A	1484	672	1970	Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
CENTNER, THOMAS	1448	Lost Nation	3A	2488	1188		2 Hot Water	Oil	1010 Single Fam	1-3 family
NOWAK, MARK E		Lost Nation	ЗA	2153	990		None	Coal or Wood	1010 Single Fam	1-3 family
COUTURE, VIRGINIA PELCHAT	1196	Lost Nation	3A	1957	932		Providence Pot Air	Oil	1030 Mobile Hom	1-3 family
AKESSON, PATRICIA	718	Lost Nation	3A	2088	1008	-	Porced Hot Air	Oil	1010 Single Fam	1-3 family
PHILLIPS, MICHAEL R	859	Lost Nation	3A	4016	2184		Radiant	Oil	1010 Single Fam	1-3 family
ROGERS TRUST, JOHN P	000	Lost Nation	3A	476	238		None	Coal or Wood	1010 Single Fam	1-3 family
TYLER, JIMMY	961	Lost Nation	3A	2142	960		Hot Water	Oil	1010 Single Fam	1-3 family
SOUZA, THOMAS G	001	Lost Nation	3A	2189	924) Electric	Electric	1030 Mobile Hom	1-3 family
SHORES, JOHN C	188	Lost Nation	3A	2343	1142		Forced Hot Air	Oil	1010 Single Fam	1-3 family
PITTS, ARTHUR	689	Lost Nation	3A 3A	3607	1722		Floor Furnace	Gas	1010 Single Fam	1-3 family
PIVIN, ROBERT A	958	Lost Nation	3A	2712	1170		Hot Water	Oil	1010 Single Fam	1-3 family
PLUNKETT, JOHN EDWARD	134	Lost Nation	3A	2830	1387		B Hot Water	Oil	1010 Single Fam	1-3 family
REYNOLDS, DANIEL	873	Lost Nation	3A	1920	960		Hot Water	Oil	1010 Single Fam	1-3 family
GRACIE, HEATHER J	907	Lost Nation	3A 3A	1648	900 809		Hot Water	Oil	1010 Single Fam	•
SAVAGE, JEFFREY	907 30	Lost Nation	3A 3A	1048	500) Electric	Electric	1010 Single Fam	1-3 family 1-3 family
-	30 1		3A 3A	5404				Oil	5	•
LAURINO, PATRICIA ANN		Lost Nation			2037		2 Hot Water		1010 Single Fam	1-3 family
ST ONGE, MICHAEL & KATHY A	1435	Lost Nation	3A	3128	1451		Forced Hot Air	Oil Oil	1010 Single Fam	1-3 family
RUSKOWSKI, DEBORAH L	824	Lost Nation	3A	3324	1740		6 Hot Water	-	1010 Single Fam	1-3 family
SAVAGE SR, DANIEL A	585	Lost Nation	3A	1976	931		Forced Hot Air	Gas	1010 Single Fam	1-3 family
VIGER, GERARD	948	Lost Nation	3A	3378	1710		None	Coal or Wood	1010 Single Fam	1-3 family
CHUMACK, ROBERT G	1305	Lost Nation	3A	5062	1877		Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
ALLEY, MAURICE L	580	Lost Nation	3A	3360	1512		Forced Hot Air	Oil	1010 Single Fam	1-3 family
MELLETT, EDWIN	1165	Lost Nation	3A	3012	1368		Forced Hot Air	Oil	1010 Single Fam	1-3 family
REXFORD, GARY	853	Lost Nation	3A	864	504		None	Coal or Wood	1010 Single Fam	1-3 family
SLOCUM, PHILIP H	1279	Lost Nation	ЗA	1512	684		P Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
HALL, CLIFTON	1333	Lost Nation	ЗA	9070	3986		Forced Hot Air	Coal or Wood	3222 COMM BLDG	Comm&Public
CROMPTON, GERALD H	1367	Lost Nation	ЗA	2994	1353		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
CONOVER, KIMBERLY A	766	Lost Nation	ЗA	3121	1238		None	Coal or Wood	1010 Single Fam	1-3 family
KING, JOHN	751	Lost Nation	ЗA	2168	1240		2 None	Coal or Wood	1010 Single Fam	1-3 family
ST TIMOTHY'S CHURCH	87	Lost Nation	ЗA	1856	928		5 None	Coal or Wood	9060 CHURCH ETC ME	
BACON, DONALD J	448	Lost Nation	ЗA	3474	1134	1991	Forced Hot Air	Oil	1010 Single Fam	1-3 family
VIKE, RICHARD J	1000	Lost Nation	ЗA	2600	1120		Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
BECKER, DANIEL W	791	Lost Nation	ЗA	3240	1890	1991	None	Coal or Wood	1010 Single Fam	1-3 family
REYNOLDS, TOBY	895	Lost Nation	ЗA	1732	858	1985	Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BENOIT, RAYMOND J	814	Lost Nation	ЗA	2752	1296	1999	Hot Water	Oil	1010 Single Fam	1-3 family
FONTAINE, RICHARD L	296	Lost Nation	ЗA	960	432	1975	None	Coal or Wood	1010 Single Fam	1-3 family
LANGFORD, RICHARD M JR	856	Lost Nation	ЗA	2103	1102	1900	Hot Air-no Duc	Coal or Wood	1010 Single Fam	1-3 family
PUBLIC SERVICE CO. OF NH		Lost Nation	ЗA	0		0) None	Coal or Wood	4240 ELECSUBSTA	Comm&Public

Owner's Name	Street N	o Street Name	Area	Bldg Area Gros: Bldg Area	Living	Ayb	Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
GREENE, WILLIAM C		Lost Nation	ЗA	216	108	199	0 None	Coal or Wood	1010 Single Fam	1-3 family
GREENE, WILLIAM C	57	Lost Nation	ЗA	9008	4537	199	0 Hot Water	Oil	1010 Single Fam	1-3 family
MCMANN JT TEN, MICHAEL W	608	Lost Nation	ЗA	2304	1176	191	0 Forced Hot Air	Oil	1010 Single Fam	1-3 family
SAVAGE, JAMES	95	Lost Nation	ЗA	1968	960	197	2 Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
NORTHUMBERLAND, TOWN OF	1146	Lost Nation	ЗA	280	140	199	5 Forced Hot Air	Gas	903C MUNICPAL MDL-94	Comm&Public
AITKEN, HUGH	59	Lost Nation	ЗA	4525	2132	187	5 Floor Furnace	Coal or Wood	1010 Single Fam	1-3 family
GRIES, DANIEL		Lost Nation	ЗA	2262	1131	200	6 None	Coal or Wood	1010 Single Fam	1-3 family
NEWTON REVOCABLE TRUST, ANNE	55	Lost Nation	ЗA	4220	1908	183	0 Forced Hot Air	Oil	1010 Single Fam	1-3 family
HAWKINS, CHRISTOPHER	26	Lost Nation	ЗA	5191	2620	187	5 Hot Water	Oil	1010 Single Fam	1-3 family
KEENAN, JOSEPH T	79	Lost Nation	ЗA	6106	1855	184	0 Hot Water	Oil	1010 Single Fam	1-3 family
FREEMAN, RUSSELL	50			3680	1280	200	0 Hot Water	Oil	1010 Single Fam	1-3 family
STINSON, BENJAMIN	62			3008	1120	200	5 Electric	Electric	1010 Single Fam	1-3 family
WHEELOCK, CHRISTOPHER	78			3598	1540	200	6 Hot Water	Oil	1010 Single Fam	1-3 family
BURKE, JEREMY M	10			1980	1684	197	5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
PAQUETTE, ALBERT	40	South of		5783	2252	198	9 Hot Water	Oil	1010 Single Fam	1-3 family
FAUTEUX, PHILIP JR	13	South of		3768	1574	200	4 Forced Hot Air	Oil	1010 Single Fam	1-3 family
CLOUTIER, GERARD	54	South of		5296	2205	199	0 Hot Water	Oil	1010 Single Fam	1-3 family
DUPUIS, JOHN	26	South of		4208	2000	199	8 Hot Water	Oil	1010 Single Fam	1-3 family
TORREY JR, STEPHEN A	31	South of		5110	2225	199	0 Hot Water	Oil	1010 Single Fam	1-3 family
GRAHAM, WAYNE W	41	South of		4576	1967	199	9 Hot Water	Oil	1010 Single Fam	1-3 family
BROWN, RAY	14	South of		4024	1764	199	9 Hot Water	Oil	1010 Single Fam	1-3 family
HUBER JR, GEORGE S	66			5838	2055	197	9 Hot Water	Oil	1010 Single Fam	1-3 family
LABOSKY, ROBERT	57			5846	2536	197	9 Hot Water	Oil	1010 Single Fam	1-3 family
COVELL FAMILY TRUST	9			4004	1974	199	6 Hot Water	Oil	1010 Single Fam	1-3 family
SHANNON, BRADLEY	157			1904	832	196	9 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BARNETT, WILBUR	86			1140	924	197	6 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BEESLEY, PAUL	108			1986	924	198	1 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BICKFORD, MANNIX	71			1930	868	197	7 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BREAULT, ANN CT	145			2223	864	197	2 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
LOW, PATRICK	75			2184	1032	198	1 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
LEIGHTON, MARK	149			2228	924	198	1 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
DAVIS, RANDALL S	82			2016	924	198	6 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
GOULETTE, ARTHUR	100			2232	1102	197	9 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
GULICK, RAYMOND	69			2304	1064	198	7 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BOUCHARD, PAUL	162			2656	1216	199	9 Forced Hot Air	Gas	1030 Mobile Hom	1-3 family
HAMILTON, SCOTT	139			4022	1904	199	9 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
HUNTINGTON, SIDNEY	78			1976	924	197	9 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
KEGELES, BERTHA	51			4927	1688	197	4 Hot Water	Oil	1010 Single Fam	1-3 family
PINETTE, PHILIP	144			1976	910	198	5 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
CASSADY, GLENN A	169			3268	1682	198	2 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
LANGLEY, DENNIS	91			1964	924	198	3 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
KENISON, GREGORY E	152			1864	924	198	5 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
MARDIN, STEVEN R	79			2196	1064	199	9 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
DORR, TYLER	106			1856	924	199	8 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
MCLAUGHLIN, PATRICK	87			1951	952	199	2 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
HARVEY, CLAYTON R	107			2008	924	198	80 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
WRIGHT, TAMMY M	165			1568	672	197	6 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family

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BOYLE, JAMES	98	1764	840	1973	3 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
COLLINS, CHEREEN R	164	2408	1002	1978	8 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
LOW, PATRICK	158	1410	672	1972	2 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
MONAHAN JR, RODNEY J	95	2079	924	1984	4 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
TAYLOR, JOHN M	70	3056	1400	1976	6 Hot Water	Oil	1030 Mobile Hom	1-3 family
CASSADY, KATHLEEN MACKILLOP	110	1848	924	1978	8 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
NORTHUMBERLAND, TOWN OF	90	2032	924	1990	0 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BURNS, EMILY	104	1997	924	1990	0 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
HOLDEN, RONALD E	148	1428	672	1974	4 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
HOPKINS, MICHAEL J	101	2052	1008	1987	7 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
MCLAIN, MAC	109	1896	924	2000	0 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
HUNTINGTON, DAVID L JT TEN	161	1805	840	1984	4 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
FREGEAU, CAMILLE	38	3405	1444	1995	5 Hot Water	Oil	1010 Single Fam	1-3 family
FREGEAU, RAYMOND	48	7774	4672		5 Hot Water	Oil	1010 Single Fam	1-3 family
GADWAH, VERN W	74	2152	1064		7 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
RIVERS, LEORA	94	1924	952	1978	8 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
LEIGH, LORI	153	2140	1050		8 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
PYCHEVICZ, JOSEPH	83	2128	1064		D Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
COLEBANK, BARRY	154	2128	1064		1 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
MORSE, WILBUR	99	672	672		2 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
LEVESQUE, EUNICE	27	1656	1456		7 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
HUNT, PHILIP B SR	24	2126	960		9 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
REILLY, RICHARD R	22	1988	910		9 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
HOPPS, ELIAS E JR	10	2144	960		D Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
CHESSMAN, KEVIN	8	2074	1034		D Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
WINN, MICHELLE	18	1068	940		0 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BOISSELLE, PAUL	12	2112	960		1 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
PEREZ, REINALDO	13	1944	924		2 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
ANDERSON, SCOTT B	23	2040	924		7 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BATCHELDER 2004 REVOC TRUST, S	5	2042	1021		9 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
HAND, KAREN S	31	1792	896		0 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BOUDLE, LAWRENCE	3	1568	784	1993	3 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
ROCK, WENDELL E	14	1888	938		5 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
WARD, DEBORAH	9	1800	780	1972	2 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BEATON, WENDY	11	2646	1188		0 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
CASS, STEPHEN K	25	2088	960		5 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BEDELL, JOHN A	30	2604	1152		8 Forced Hot Air	Gas	1030 Mobile Hom	1-3 family
HARTLEN, BARBARA	29	2336	1088		7 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
STUART, JAY	4	2128	1064		D Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
WRIGHT, DAVID	20	1892	896		8 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
SZURLEY, JUDITH A	33	1171	1011		2 Forced Hot Air	Gas	1030 Mobile Hom	1-3 family
JOHNSTON, DAVID	7	2418	1164		6 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
PEDRICK, THOMAS A	35	1064	1064		5 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
YOUNG, ARLENE E	100	2173	1010		D Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
VERRATTI, JENNIE	118	3436	1040		5 Forced Hot Air	Oil	1010 Single Fam	1-3 family
STYLES, MARK W	109	3187	1324		2 Hot Water	Oil	1010 Single Fam	1-3 family
CONNARY, ERVIN	116	4119	2374		5 Hot Water	Oil	1010 Single Fam	1-3 family
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DUPUIS, GARY	101	8177	4422	1930 Hot Water	Oil	1110 APT 4-UNT	Apt
STEVENS, BRIAN	102	2604	952	1965 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
BALOG, LAURETTE	120	2574	806	1934 Forced Hot Air	Oil	1010 Single Fam	1-3 family
DUNHAM, CATHY A	110	1588	728	1977 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
DUPUIS, BERNARD	99	2204	982	1955 Forced Hot Air	Oil	1010 Single Fam	1-3 family
SPENCER, DAVID L	146	11122	5381	1900 Hot Water	Oil	1110 APT 4-UNT	Apt
GONYER 2002 FAMILY TRUST	89	5531	2679	1886 Hot Water	Oil	1010 Single Fam	1-3 family
COOK, RICHARD K JR	126	3272	1428	1900 Hot Water	Oil	1010 Single Fam	1-3 family
NOYES, DWIGHT D	150	4690	2371	1806 Forced Hot Air	Oil	1010 Single Fam	1-3 family
STEWART FAMILY TRUST, WM & JOA	147	41100	27300	1950 None	Coal or Wood	4010 IND WHSES	Comm&Public
GLOVER, NATHAN J	112	3386	1643	1935 Hot Water	Oil	1010 Single Fam	1-3 family
ST LAURENT, JAMES	66	3351	2313	1989 Forced Hot Air	Gas	1010 Single Fam	1-3 family
FOSTER, EDDIE J	60	3684	1416	1987 Forced Hot Air	Gas	1010 Single Fam	1-3 family
MACDOW JOINT REVOCABLE TRUST	85	3298	1234	1973 Hot Water	Oil	1010 Single Fam	1-3 family
STEWART FAMILY TRUST, WM & JOA	141	6766	2982	1930 Hot Water	Oil	1110 APT 4-UNT	Apt
CASEY REALTY TRUST, R & R	125	5208	2640	1850 Hot Water	Oil	1050 THREE FAM	1-3 family
LEIGHTON, OWEN R	133	1857	852	1985 Hot Water	Oil	1030 Mobile Hom	1-3 family
MEUNIER TRUST, THE DAWN E	93	3709	1400	1900 Hot Water	Oil	1010 Single Fam	1-3 family
OAKES, KENNETH	94	3264	1440	1977 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
SHANNON, FRED	135	3906	1721	1800 Forced Hot Air	Oil	1010 Single Fam	1-3 family
DUNCAN, PAMELA	106	3109	1734	1900 Hot Water	Oil	1010 Single Fam	1-3 family
FRANK, AMY E (HALL)	41	3452	1392	1979 Hot Water	Oil	1010 Single Fam	1-3 family
PELLETIER, BRUCE	119	5109	2352	1989 Hot Water	Oil	1010 Single Fam	1-3 family
YORK, REX E	63	3164	1076	1936 Hot Water	Oil	1010 Single Fam	1-3 family
MAHONEY, PAUL J	138	2064	924	1983 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
DUPUIS, HARVEY	123	2789	672	1997 None	Coal or Wood	1010 Single Fam	1-3 family
KNAPP, JOHN A	131	2394	1072	1985 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
PERRAS ACE INC	40	1928	840	1987 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
PERRAS REVOCABLE TRUST 1993	45	44477	21132	1998 Forced Hot Air	Oil	3130 LUMBER YRD	Comm&Public
NORTHUMBERLAND, TOWN OF	17	288	144	1995 Electric	Electric	903C MUNICPAL MDL-94	Comm&Public
HAND, DANIEL	6	1944	924	1995 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
AKESSON, ROBERT	3	2449	1188	1995 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
NORTHUMBERLAND, TOWN OF	10	2244	1064	1995 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
EMERSON, MADELENE	5	2244	1104	2000 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
MONAHAN, JEREMY	8	1392	1296	2006 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
TIPPITT, TIMONEE L	9	1920	924	1984 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
CARON, BEAU M	8	1592	776	1984 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
RICE JR, HARRY LEE	11	1668	814	1970 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
BARTLETT, KENNETH	18	1860	924	1986 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
PHELPS, FREDERICK	14	2206	1008	1974 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
MCLEAN, EDWARD	7	1884	924	1986 Forced Hot Air	Gas	1030 Mobile Hom	1-3 family
SINGER, GAIL	10	1536	924 704	1969 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
DAMON, TINA M	13	2976	1344	1995 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
DOWLAND, EDWARD	23	2976	1344	1978 Hot Water	Oil	1030 Mobile Hom	1-3 family
GRANT, KAREN L	13		1426	1976 Hot Water	Oil		
GLADUE, THEODORE W	13	3022 2656	1008	1974 Hot Water 1973 Forced Hot Air	Oil	1010 Single Fam 1030 Mobile Hom	1-3 family 1-3 family
REYNOLDS, ROBIN	5	2840	1008	1973 Hot Water	Oil	1010 Single Fam	1-3 family
	5	2040	1000	1010 HOL WALEI			1 - 5 raininy

Owner's Name	Street No Street Name	Area Bldg Area Gros: Bldg	Area Living	Ayb Heat Type Des	C Heat Fuel Desc	Use Code Use Descript	Utilization Grp
WHITE, MINNIE	6	2294	1315	1973 Hot Water	Oil	1010 Single Fam	1-3 family
GAGNE, JERRY L	18	2200	1022	1986 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
SIMONDS IRREVOC TRUST, A & L	29	3798	1421	1979 Hot Water	Oil	1010 Single Fam	1-3 family
BURT, RENE P	43	3742	1404	1989 Hot Water	Oil	1010 Single Fam	1-3 family
GEMME, CHARLES	32	3968	1754	1935 Hot Water	Oil	1010 Single Fam	1-3 family
MASON, COREY E	8	3600	1680	2005 Hot Water	Oil	1010 Single Fam	1-3 family
GOULET, TODD D	16	5536	3708	1976 Hot Water	Oil	1010 Single Fam	1-3 family
PAQUETTE, DONALD	13	4559	1990	1977 Hot Water	Oil	1010 Single Fam	1-3 family
FONTAINE, LEONARD	30	2032	1244	1975 Hot Water	Oil	1010 Single Fam	1-3 family
LEPINE, GERARD	10	2965	1560	1975 Hot Water	Oil	1010 Single Fam	1-3 family
SUTHERLAND, TIMOTHY W	10	2608	1280	2004 Forced Hot Air	Coal or Wood	1010 Single Fam	1-3 family
PRESCOTT, DONALD C	35	3228	1428	2004 Forced Hot Air	Oil	1010 Single Fam	1-3 family
ROSSETTO, ALAN C	23	4974	2304	2005 Hot Water	Gas	1010 Single Fam	1-3 family
HOWSON, KIM A	56	3200	1440	2005 Hot Water	Oil	1010 Single Fam	1-3 family
MARSHALL, CAROL	17	2272	1052	1979 Forced Hot Air	Coal or Wood	1031 Trailer	1-3 family
BOISSONNAULT, LUC	23	1216	564	1972 Forced Hot Air	Coal or Wood	1030 Mobile Hom	1-3 family
NORTHUMBERLAND, TOWN OF	36	2816	1408	1990 Forced Hot Air	Oil	903C MUNICPAL MDL-94	Comm&Public
JANEWAY, ELIZABETH C	50	1537	594	1998 None	Coal or Wood	1010 Single Fam	1-3 family
WAUSAU PAPERS OF NH INC.		0	554	0 None	Coal or Wood	4000 FACTORY	Comm&Public
LURVEY JT TEN, ELEANOR L	294	2505	1164	1970 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
COLEMAN, JOHN	287	2400	1062	1958 None	Coal or Wood	1010 Single Fam	1-3 family
DWYER, AUGUSTUS	97	472	144	2002 None	Coal or Wood	1010 Single Fam	1-3 family
GRIES, ELLEN	282	3064	1371	1969 None	Coal or Wood	-	
GONYER, ROBERT CLYDE	346	2016	1176	1999 None	Coal or Wood	1010 Single Fam 1010 Single Fam	1-3 family 1-3 family
	339	2010	1117	1960 Electric		5	•
MENZIES, DOUGLAS			1220		Electric	1010 Single Fam	1-3 family
SNELL, ROBERT A LARSON, ROBERT H	123 359	2790 2655	960	1991 Hot Water 1967 Hot Water	Oil Oil	1010 Single Fam	1-3 family
	62	1826	900 825	1981 None	Coal or Wood	1010 Single Fam	1-3 family
GRIFFITH, ANTHONY W						1010 Single Fam	1-3 family
BURT, MARY DYSON	85	785	360	1970 None	Coal or Wood	1010 Single Fam	1-3 family
GONYER, ROBERT CLYDE	348	2548	1112	1989 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
GOULART, ARNOLD F	98	2931	1440	2004 Hot Water	Oil	1010 Single Fam	1-3 family
CARON, HOLLY	6	2316	1176	1953 Hot Water	Oil	1010 Single Fam	1-3 family
GOULET, BRIAN J	10	2388	1008	1957 Hot Water	Oil	1010 Single Fam	1-3 family
HALL, BLAINE	5	3114	1820	1900 Hot Water	Oil	1010 Single Fam	1-3 family
MERRILL, JUANITA	3	2997	953	1950 Hot Water	Oil	1010 Single Fam	1-3 family
GAGNON, ALAN W	12	2370	1075	1972 Hot Water	Oil	1010 Single Fam	1-3 family
TILTON, STEPHEN	67	3178	1470	1900 Hot Water	Oil	1010 Single Fam	1-3 family
DELSESTO, MICHAEL J		204	204	1995 None	Coal or Wood	1010 Single Fam	1-3 family
GONYER, ZELDA		1440	840	2003 None	Gas	1010 Single Fam	1-3 family
MARSHALL, ANDREW E	55	2844	1170	1978 Hot Water	Oil	1010 Single Fam	1-3 family
PERRAS LUMBER INC.		2011	882	2001 None	Coal or Wood	1010 Single Fam	1-3 family
BENNETT, AARON	239	3261	1444	1976 Hot Water	Oil	1010 Single Fam	1-3 family
BERUBE, JOSEPH	266	2865	1260	1900 Hot Water	Oil	1010 Single Fam	1-3 family
JOHNSTON, ALEXANDER D	265	9517	2405	1850 Hot Water	Oil	1110 APT 4-UNT	Apt
CLOUTIER, MARK F	285	3722	1196	1984 Hot Water	Oil	1010 Single Fam	1-3 family
SYRIAC IRREVOC TRUST OF 1992	358	592	192	1991 None	Coal or Wood	1010 Single Fam	1-3 family
CRAWFORD, RAYMOND	221	3444	1251	1950 Forced Hot Air	Oil	1010 Single Fam	1-3 family

Owner's Name	Street No Street Name	Area Bldg Area Gros: Bldg A	rea Living	Ayb Heat Type Desc	Heat Fuel Desc	Use Code Use Descript	Utilization Grp
GILCRIS, MICHAEL	422	2592	1232	1970 Hot Water	Oil	1030 Mobile Hom	1-3 family
GILCRIS, KURT	434	4028	1720	1800 Hot Water	Oil	1010 Single Fam	1-3 family
GOULD, BETHANY	40	5285	2331	1963 Hot Water	Oil	1010 Single Fam	1-3 family
EGAN, LEONARD	348	2096	923	1880 Hot Water	Oil	1010 Single Fam	1-3 family
GILCRIS, WAYNE	415	2250	1104	1970 Hot Water	Oil	1010 Single Fam	1-3 family
MCMANN, JUSTIN	201	3101	1456	1988 Hot Water	Oil	1010 Single Fam	1-3 family
MCMANN, STEPHEN H	317	4086	1400	1979 Hot Water	Oil	1010 Single Fam	1-3 family
ROUTHIER, GERARD	324	4570	1735	1979 Hot Water	Oil	1010 Single Fam	1-3 family
RIENDEAU, MONA	360	6650	3152	1840 Forced Hot Air	Oil	1010 Single Fam	1-3 family
WHITING, NORMAN	401	4518	1894	1970 Hot Water	Oil	1010 Single Fam	1-3 family
GOULET, WAYNE	16	2368	1048	1975 Hot Water	Oil	1010 Single Fam	1-3 family
OLSON, HAROLD	81	2802	1288	1984 Forced Hot Air	Oil	1010 Single Fam	1-3 family
ASH, RONALD K JR	43	2725	1242	1996 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
HAAS, SCOTT (JTROS)	95	3642	1568	2000 Hot Water	Oil	1010 Single Fam	1-3 family
DUPUIS, RICHARD	107	4768	2120	2000 Hot Water	Oil	1010 Single Fam	1-3 family
NORTHUMBERLAND, TOWN OF	7	9600	4800	1975 Hot Water	Oil	903C MUNICPAL MDL-94	Comm&Public
WHEELOCK, PATRICK	16	3230	1465	2005 Hot Water	Oil	1010 Single Fam	1-3 family
NELSON, DOUG	21-29	1888	924	1995 Forced Hot Air	Oil	1030 Mobile Hom	1-3 family
NELSON, DOUG	10	8269	3540	1900 Forced Hot Air	Oil	1040 TWO FAMILY	1-3 family
1.006		3.696.806	1.834.389	1938 All			All

All

Totals - buildings	Totals sq ft	Totals sq ft Avg Cri	iteria Criteria	Criteria
1.006	3.696.806	1.834.389 1938 All		All
				All
534	1.711.191	801.919 1938 Ho	ot Water All	1-3 family
381	965.051	451.935 1953 No	t Hot Water All	1-3 family
14	112.219	61.635 1918 Ho	ot Water All	Apt
1	6.519	4.160 1972 No	t Hot Water All	Apt
30	402.004	234.911 1936 Ho	ot Water All	Comm&Public
46	499.822	279.829 1828 No	t Hot Water All	Comm&Public

Appendix 8: Model for Economic and Financial Appraisal

The appendix shows the 3 scenarios A1, A2 and A2 with financial balance for the district heating company after 10 years and accumulation of assets for full system renewal after 20 years.

District Heating Project in Groveton, New Hampshire, USA

All prices in fixed prices - year 2008 US units

Scenario 1A: Heat supply to larger buildings in district 1 of the town

Fuel parametres Waste wood water content Waste wood heating value Light fuel oil heating value	MMBtu/t MMBtu/g	45% 8,06 0,131
	-	
Boiler efficiencies Waste wood boiler		94%
Fuel oil boiler		92%
Individual boilers		85%
marriada boners		0070
Specific operation and maintenance of	costs	
Waste wood boiler, fixed cost	1000 \$/yr	10
Fuel oil boiler, variable cost	\$/MMBtu	0,60
Administration of DH company	1000 \$/yr	40
Distribution network	\$/MMBtu	0,30
Customers' heat exchangers (CHE)	\$/MMBtu	0,90
Individual oil boiler	\$/MMBtu	3,00
Fuel prices		
Wast wood price	\$/t	40
Annual real price increase		2%
Light fuel oil price	\$/g	4,00
Annual real price increase		2%
	* // // / D ·	
Heat sales price to customers	\$/MMBtu	28
Annual real price increase		0%

			0	1	2	3	4	5	6	7	8	9	10	15	20
	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Discount Rate 5% Discount Factor		13,5	1,000	0,952	0,907	0,864	0,823	0,784	0,746	0,711	0,677	0,645	0,614	0,481	0,377
Fuel costs in fixed prices Waste wood Light fuel oil	\$/t \$/g	47,42 4,75	40,00 4,00	40,80 4,08	41,62 4,17	42,45 4,25	43,30 4,33	44,16 4,42	45,05 4,51	45,95 4,60	46,87 4,69	47,80 4,79	48,76 4,88	53,83 5,39	59,44 5,95

Development of district heating

Market share of district heating No of customers Building area	sqft	1st year 70% 75%		57 257.694	62 274.989	67 292.284	71 309.579	76 326.874	81 344.168						
Specific heat demand	MBtu/sqft		70	70	70	70	70	70	70	70	70	70	70	70	70
Space heating	MBtu/sqft		52	52	52	52	52	52	52	52	52	52	52	52	52
DHW	MBtu/sqft		17	17	17	17	17	17	17	17	17	17	17	17	17

District heating project in Groveton, New Hampshire

	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
			2000	2007	2010	2011	2012	2013	2014	2013	2010	2017	2010	2025	2020
Net heat demand	MMBtu	282.946		17.971	19.178	20.384	21.590	22.796	24.002	24.002	24.002	24.002	24.002	24.002	24.002
Heat distribution losses	MMBtu	7,7%		1.799	1.839	1.879	1.919	1.959	1.999	1.999	1.999	1.999	1.999	1.999	1.999
Heat production demand	MMBtu			19.770	21.016	22.263	23.509	24.755	26.001	26.001	26.001	26.001	26.001	26.001	26.001
Heat production of boiler house															
Waste wood boiler	MMBtu			19.276	20.361	21.446	22.531	23.616	24.701	24.701	24.701	24.701	24.701	24.701	24.701
Fuel oil boiler	MMBtu			494	655	817	978	1.139	1.300	1.300	1.300	1.300	1.300	1.300	1.300
Fuel consumption of boiler house															
Waste wood	MMBtu			20.506	21.661	22.815	23.969	25.123	26.277	26.277	26.277	26.277	26.277	26.277	26.277
Light fuel oil	MMBtu			537	712	888	1.063	1.238	1.413	1.413	1.413	1.413	1.413	1.413	1.413
Waste wood	t			2.545	2.688	2.832	2.975	3.118	3.261	3.261	3.261	3.261	3.261	3.261	3.261
Light fuel oil	gallon			4.095	5.431	6.766	8.101	9.437	10.772	10.772	10.772	10.772	10.772	10.772	10.772
Investments in district heating syster	m														
mestiments in district reading system															
Boiler plant	1000 \$	1.300	1.300												
Distribution network	1000 \$	1.917	1.749	39	39	39	39	39							
Service lines (included in network)	1000 \$	0		0	0	0	0	0	0						
Customers' heat exchangers (CHE)		626		504	35	35	35	35	35						
Sum	1000 \$	3.843	3.049	543	74	74	74	74	35						
Scrap value in 2028 (after 20 years'	operation)														
Boiler plant (20 years liftetime)	1000 \$	0	0												
Distribution network (40 years)	1000 \$	-372	-874	-20	-21	-22	-23	-24							
Service lines (40 years)	1000 \$			0	0	0	0	0	0						
CHE (20 years)	1000 \$	-23	0	-25	-4	-5	-7	-9	-11						
Sum	1000 \$	-395	-874	-46	-25	-28	-30	-33	-11						
Operation and maintenance costs															
Waste wood	1000 \$	1.871		104	112	120	129	138	147	150	153	156	159	176	194
Light fuel oil	1000 \$	570		17	23	29	35	42	49	50	51	52	53	58	64
Administration	1000 \$	498		40	40	40	40	40	40	40	40	40	40	40	40
O&M of boilers	1000 \$	133		10	10	10	11	11	11	11	11	11	11	11	11
O&M of distribution network	1000 \$	92		6	6	7	7	7	8	8	8	8	8	8	8
O&M of CHE's	1000 \$	277		18	19	20	21	22	23	23	23	23	23	23	23
Total O&M costs	1000 \$	3.442		195	210	226	243	260	277	281	285	289	294	316	340
Net present value/20 years	1000 \$	6.890													
Balance heat sales price	\$/MMBtu	24													
Annual balance for the district he	ating con	npany													
Heat sales price (in fixed prices)	\$/MMBtu	27	28	28	28	28	28	28	28	28	28	28	28	25	22
Real interest rate (in fixed prices)			4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Income															
Heat sale	1000 \$	7.644		508	542	576	610	644	679	679	679	679	679	604	537

District heating project in Groveton, New Hampshire

Expenses Investments excl. CHE Administration Fuels costs O&M costs Capital expenses (interest costs) Sum expenses Annual balance Accumulated balance Typical average customer/single Building area Heat demand	1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ e family hou sqft MMBtu	3.217 498 2.441 133 638 6.928 716	3.049 61 3.110 -3.110 -3.110	39 40 121 10 118 328 180 -2.930	39 40 135 10 111 335 208 -2.722	39 40 149 10 102 340 236 -2.487	39 40 164 11 92 346 265	39 40 179 11 81 350 294	0 40 195 11 68 315 364	40 199 11 54 304 374	40 203 11 39 293	40 207 11 24 282	40 212 11 8 270	40 234 11 0 284	40 258 11 0 309 229
Administration Fuels costs O&M costs Capital expenses (interest costs) Sum expenses Annual balance Accumulated balance Typical average customer/single Building area	1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ e family hou	498 2.441 133 638 6.928 716	61 3.110 -3.110	40 121 10 118 328 180	40 135 10 111 335 208	40 149 10 102 340 236	40 164 11 92 346 265	40 179 11 81 350	40 195 11 68 315	199 11 54 304	203 11 39 293	207 11 24 282	212 11 8 270	234 11 0 284	258 11 0 309
Fuels costs O&M costs Capital expenses (interest costs) Sum expenses Annual balance Accumulated balance Fypical average customer/single Building area	1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ e family hou	2.441 133 638 6.928 716	3.110 -3.110	121 10 118 328 180	135 10 111 335 208	149 10 102 340 236	164 11 92 346 265	179 11 81 350	195 11 68 315	199 11 54 304	203 11 39 293	207 11 24 282	212 11 8 270	234 11 0 284	258 11 0 309
O&M costs Capital expenses (interest costs) Sum expenses Annual balance Accumulated balance Fypical average customer/single Building area	1000 \$ 1000 \$ 1000 \$ 1000 \$ 1000 \$ e family hou sqft	133 638 6.928 716	3.110 -3.110	10 118 328 180	10 111 335 208	10 102 340 236	11 92 346 265	11 81 350	11 68 315	11 54 304	11 39 293	11 24 282	11 8 270	11 0 284	11 0 309
Capital expenses (interest costs) Sum expenses annual balance accumulated balance Typical average customer/single Building area	1000 \$ 1000 \$ 1000 \$ 1000 \$ e family hou	638 6.928 716	3.110 -3.110	118 328 180	111 335 208	102 340 236	92 346 265	81 350	68 315	54 304	39 293	24 282	8 270	0 284	0 309
Sum expenses Innual balance Iccumulated balance Sypical average customer/single suilding area	1000 \$ 1000 \$ 1000 \$ e family hou	6.928 716	3.110 -3.110	328 180	335 208	340 236	346 265	350	315	304	293	282	270	284	309
unnual balance accumulated balance Typical average customer/single Building area	1000 \$ 1000 \$ e family hou	716	-3.110	180	208	236	265								
Accumulated balance Fypical average customer/single Building area	1000 \$ e family hou sqft							294	264	374	205	207	100	210	220
Typical average customer/singl o Building area	e family hou sqft	ıse	-3.110	-2.930	-2.722	-2.487		- / /	304	5/4	385	397	408	319	229
Building area	sqft	ise					-2.222	-1.928	-1.564	-1.190	-805	-408	0	1.788	3.110
8															
leat demand	MMBtu			1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
		1.217		98	98	98	98	98	98	98	98	98	98	98	98
xisting heat supply (excl. reinvestr	ments)														
Light fuel oil	\$/MMBtu		36	37	37	38	39	40	40	41	42	43	44	48	53
Operation and maintenace	\$/MMBtu			3	3	3	3	3	3	3	3	3	3	3	3
Sum	\$/MMBtu			40	40	41	42	43	43	44	45	46	47	51	56
Investment	\$														
Annual expenses	\$	56.098		3.869	3.941	4.014	4.088	4.164	4.241	4.320	4.401	4.483	4.567	5.012	5.50
verage annual expenses	\$	4.167													
Balance heat price	\$/MMBtu	46													
New heat supply based on district h	eating (incl.	investment	s)												
Purchase of heat	\$/MMBtu		28	28	28	28	28	28	28	28	28	28	28	25	22
O&M costs of CHE	\$/MMBtu			1	1	1	1	1	1	1	1	1	1	1	1
Sum	\$/MMBtu			29	29	29	29	29	29	29	29	29	29	26	23
Investment	\$		4.000												
Annual expenses	\$	38.049	4.000	2.848	2.848	2.848	2.848	2.848	2.848	2.848	2.848	2.848	2.848	2.544	2.27
verage annual expenses	\$	2.826													
alance heat price	\$/MMBtu	31													
nergy use of residual consume	rs without c	listrict hea	ating												
esidual consumers without district No. of consumers	heating		1.006	949		939									

No. of consumers		1.006	949	944	939	935	930	925	925	925	925	925	925	925
Building area	sqft	1.834.390	1.576.696	1.559.401	1.542.106	1.524.811	1.507.516	1.490.221	1.490.221	1.490.221	1.490.221	1.490.221	1.490.221	1.490.221
-														
Market share of individual oil-fire	ed boilers													
Building area	sqft	1.496.840	1.239.146	1.224.620	1.210.094	1.195.569	1.181.043	1.166.517	1.166.517	1.166.517	1.166.517	1.166.517	1.166.517	1.166.517
Specific heat demand	MBtu/sqft	70	70	70	70	70	70	70	70	70	70	70	70	70
Use of oil, energy content	MMBtu	122.811	101.668	100.476	99.284	98.092	96.901	95.709	95.709	95.709	95.709	95.709	95.709	95.709

		umpshire				, ipp									
	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Market share of individual gas-fire	d boilers/furn	aces													
Building area	sqft		121.484	121.484	119.377	117.269	115.161	113.054	110.946	110.946	110.946	110.946	110.946	110.946	110.946
Specific heat demand	MBtu/sqft		70	70	70	70	70	70	70	70	70	70	70	70	70
Use of gas, energy content	MMBtu		9.967	9.967	9.794	9.622	9.449	9.276	9.103	9.103	9.103	9.103	9.103	9.103	9.103
Market share of other individual e	nergy sources														
Building area	sqft		216.066	216.066	215.405	214.743	214.081	213.420	212.758	212.758	212.758	212.758	212.758	212.758	212.758
Specific heat demand	MBtu/sqft		70	70	70	70	70	70	70	70	70	70	70	70	70
Use of other sources, content	MMBtu		17.728	17.728	17.673	17.619	17.565	17.510	17.456	17.456	17.456	17.456	17.456	17.456	17.456
Flue gas emissions															
-		Sum													
District heating															
CO2 equivalents	t	3.356	0	92	110	128	146	163	181	181	181	181	181	181	181
SO2	lb	30.925	0	1.221	1.298	1.374	1.451	1.527	1.604	1.604	1.604	1.604	1.604	1.604	1.604
NOx	lb	110.270	0	4.374	4.642	4.910	5.178	5.446	5.715	5.715	5.715	5.715	5.715	5.715	5.715
Residual consumers without district	ct heating														
CO2 equivalents	t	213.228	12.380	10.545	10.427	10.308	10.190	10.072	9.954	9.954	9.954	9.954	9.954	9.954	9.954
SO2	lb	411.812	21.126	19.995	19.886	19.778	19.670	19.561	19.453	19.453	19.453	19.453	19.453	19.453	19.453
NOx	lb	543.088	30.367	26.678	26.433	26.188	25.943	25.697	25.452	25.452	25.452	25.452	25.452	25.452	25.452
Total															
CO2 equivalents	t	216.584	12.380	10.637	10.537	10.436	10.336	10.235	10.135	10.135	10.135	10.135	10.135	10.135	10.135
SO2	lb	442.737	21.126	21.216	21.184	21.152	21.120	21.089	21.057	21.057	21.057	21.057	21.057	21.057	21.057
NOx	lb	653.358	30.367	31.052	31.075	31.098	31.121	31.144	31.167	31.167	31.167	31.167	31.167	31.167	31.167
Savings of emissions compared to	reference														
CO2 equivalents	t	43.407	0	1.743	1.844	1.944	2.045	2.145	2.246	2.246	2.246	2.246	2.246	2.246	2.246
SO2	lb	905	0	-90	-58	-26	5	37	69	69	69	69	69	69	69
NOx	lb	-15.658	0	-686	-709	-731	-754	-777	-800	-800	-800	-800	-800	-800	-800

District heating project in Groveton, New Hampshire

Scenario 1A (US Units)

District Heating Project in Groveton, New Hampshire, USA

All prices in fixed prices - year 2008	US units
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Scenario 1B: Heat supply to district 1 of the town

Fuel parametres Waste wood water content Waste wood heat value Light fuel oil heat value	MMBtu/t MMBtu/g	45% 8,06 0,131
Boiler efficiencies Waste wood boiler Fuel oil boiler Individual boilers		94% 92% 85%
Specific operation and maintenance of	rosts	
Waste wood boiler, fixed cost	1000 \$/yr	10
Fuel oil boiler, variable cost	\$/MMBtu	0,60
Administration of DH company	1000 \$/yr	40
Distribution network	\$/MMBtu	0,30
Customers' heat exchangers (CHE)	\$/MMBtu	0,90
Individual oil boiler	\$/MMBtu	3,00
Fuel prices		
Wast wood price	\$/t	40
Annual real price increase		2%
Light fuel oil price	\$/g	4,00
Annual real price increase		2%
Heat sales price to customers Annual real price increase	\$/MMBtu	29 0%

			0	1	2	3	4	5	6	7	8	9	10	15	20
	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Discount Rate 5% Discount Factor		13,5	1,000	0,952	0,907	0,864	0,823	0,784	0,746	0,711	0,677	0,645	0,614	0,481	0,377
Fuel costs in fixed prices Waste wood Light fuel oil	\$/t \$/g	47,42 4,75	40,00 4,00	40,80 4,08	41,62 4,17	42,45 4,25	43,30 4,33	44,16 4,42	45,05 4,51	45,95 4,60	46,87 4,69	47,80 4,79	48,76 4,88	53,83 5,39	59,44 5,95

Development of district heating

Market share of district heating No of customers Building area	sqft	1st year 71% 74%		156 419.275	169 449.197	182 479.120	194 509.042	207 538.965	220 568.888						
Specific heat demand	MBtu/sqft		70	70	70	70	70	70	70	70	70	70	70	70	70
Space heating	MBtu/sqft		52	52	52	52	52	52	52	52	52	52	52	52	52
DHW	MBtu/sqft		17	17	17	17	17	17	17	17	17	17	17	17	17

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	Unit	NPV	2000	2000	2010	2011	2012	2012	2014	2015	2014	2017	2010	2022	2020
	Unit	INPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Net heat demand	MMBtu	466.441		29.240	31.327	33.414	35.500	37.587	39.674	39.674	39.674	39.674	39.674	39.674	39.674
Heat distribution losses	MMBtu	10,0%		3.978	4.066	4.154	4.243	4.331	4.420	4.420	4.420	4.420	4.420	4.420	4.420
Heat production demand	MMBtu			33.218	35.393	37.568	39.743	41.919	44.094	44.094	44.094	44.094	44.094	44.094	44.094
Heat production of boiler house															
Waste wood boiler	MMBtu			32.387	34.288	36.188	38.088	39.989	41.889	41.889	41.889	41.889	41.889	41.889	41.889
Fuel oil boiler	MMBtu			830	1.105	1.380	1.655	1.930	2.205	2.205	2.205	2.205	2.205	2.205	2.205
Fuel consumption of boiler house															
Waste wood	MMBtu			34.455	36.476	38.498	40.520	42.541	44.563	44.563	44.563	44.563	44.563	44.563	44.563
Light fuel oil	MMBtu			903	1.201	1.500	1.799	2.098	2.396	2.396	2.396	2.396	2.396	2.396	2.396
Waste wood	t			4.276	4.527	4.778	5.029	5.280	5.531	5.531	5.531	5.531	5.531	5.531	5.531
Light fuel oil	gallon			6.881	9.158	11.436	13.713	15.991	18.268	18.268	18.268	18.268	18.268	18.268	18.268
Investments in district heating syster	<u>n</u>														
Dellar plant	1000 #	1 500	1 500												
Boiler plant	1000 \$ 1000 \$	1.500	1.500 3.129	70	70	70	70	70							
Distribution network Service lines (additional)	1000 \$	3.430 783	3.129	70 609	70 49	70 49	70 49	70 49	49						
• • •		1.200		952	49 71	49 71	49 71	49 71	49 71						
Customers' heat exchangers (CHE) Sum	1000 \$	6.913	4.629	952 1.630	190	190	190	190	120						
Sum	1000 \$	0.913	4.029	1.030	190	190	190	190	120						
Scrap value in 2028 (after 20 years'															
Boiler plant (20 years liftetime)	1000 \$	0	0												
Distribution network (40 years)	1000 \$	-665	-1.565	-37	-38	-40	-42	-43							
Service lines (40 years)	1000 \$. –		-320	-27	-28	-30	-31	-32						
CHE (20 years)	1000 \$	-45	0	-48	-7	-11	-14	-18	-21						
Sum	1000 \$	-886	-1.565	-404	-72	-79	-85	-92	-53						
Operation and maintenance costs															
Waste wood	1000 \$	3.169		174	188	203	218	233	249	254	259	264	270	298	329
Light fuel oil	1000 \$	966		28	38	49	59	71	82	84	86	87	89	98	109
Administration	1000 \$	498		40	40	40	40	40	40	40	40	40	40	40	40
O&M of boilers	1000 \$	139		10	11	11	11	11	11	11	11	11	11	11	11
O&M of distribution network	1000 \$	156		10	11	11	12	13	13	13	13	13	13	13	13
O&M of CHE's	1000 \$	468		30	32	34	36	38	40	40	40	40	40	40	40
Total O&M costs	1000 \$	5.397		293	320	347	376	405	436	442	449	456	463	500	542
Net present value/20 years	1000 \$	11.424													
Balance heat sales price	\$/MMBtu	24													
Annual balance for the district he	ating con	npany													
Heat sales price (in fixed prices)	\$/MMBtu	27	29	29	29	29	29	29	29	29	29	29	29	24	19
Real interest rate (in fixed prices)			4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Income	1000 *	10 5 40		050	011	074	1 000	1.000	4 4 5 6	4 4 5 6	1 1 5 0	4 4 5 0	1 1 5 0	007	7/4
Heat sale	1000 \$	12.548		850	911	971	1.032	1.093	1.153	1.153	1.153	1.153	1.153	937	761

Appendix 8

	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Expenses															
Investments excl. CHE	1000 \$	5.713	4.629	678	119	119	119	119	49						
Administration	1000 \$	498		40	40	40	40	40	40	40	40	40	40	40	40
Fuels costs	1000 \$	4.135		203	227	251	277	304	332	338	345	352	359	396	437
O&M costs	1000 \$	139		10	11	11	11	11	11	11	11	11	11	11	11
Capital expenses (interest costs)	1000 \$	1.083	93	191	189	176	160	142	121	96	70	42	14	0	0
Sum expenses	1000 \$	11.569	4.722	1122	585	597	607	616	553	486	466	446	424	448	489
Annual balance	1000 \$	979	-4.722	-272	325	375	425	477	600	668	687	708	729	490	272
Accumulated balance	1000 \$		-4.722	-4.994	-4.668	-4.294	-3.869	-3.392	-2.792	-2.124	-1.437	-729	0	2.939	4.722
Typical average customer/single	e family hou	ise													
Building area	sqft			1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
Heat demand	MMBtu	1.217		98	98	98	98	98	98	98	98	98	98	98	98
Existing heat supply (excl. reinvestr	ments)														
Light fuel oil	\$/MMBtu		36	37	37	38	39	40	40	41	42	43	44	48	53
Operation and maintenace	\$/MMBtu			3	3	3	3	3	3	3	3	3	3	3	3
Sum	\$/MMBtu			40	40	41	42	43	43	44	45	46	47	51	56
Investment	\$			10	10		12	10	10		10	10	.,	01	00
	\$ \$	56.098		3.869	3.941	4.014	4.088	4.164	4.241	4.320	4.401	4.483	4.567	5.012	5.50
Annual expenses	Φ	30.096		3.009	3.941	4.014	4.000	4.104	4.241	4.320	4.401	4.403	4.307	5.012	5.50.
Average annual expenses	\$	4.167													
Balance heat price	\$/MMBtu	46	_												
New heat supply based on district h	eating (incl.	investment	s)												
			29	29	29	29	29	29	29	29	29	29	29	24	19
Purchase of heat	\$/MMBtu		27						4	1	4	1	1	4	4
Purchase of heat O&M costs of CHE	\$/MMBtu \$/MMBtu		27	1	1	1	1	1	1	1	1	1	1	1	1
			27	1 30	1 30	1 30	1 30	1 30	30	30	30	30	30	1 25	1 20
O&M costs of CHE Sum	\$/MMBtu														
O&M costs of CHE	\$/MMBtu \$/MMBtu	37.977	4.000 4.000												20
O&M costs of CHE Sum Investment Annual expenses	\$/MMBtu \$/MMBtu \$ \$		4.000	30	30	30	30	30	30	30	30	30	30	25	20
O&M costs of CHE Sum Investment	\$/MMBtu \$/MMBtu \$	37.977 2.821 31	4.000	30	30	30	30	30	30	30	30	30	30	25	

Building area 1.496.840 1.077.565 1.052.243 1.026.921 1.001.598 976.276 950.954 950.954 950.954 950.954 950.954 950.954 950.954 sqft 70 70 70 70 70 70 70 70 70 70 70 Specific heat demand MBtu/sqft 70 70 Use of oil, energy content MMBtu 122.811 88.411 86.333 84.255 82.178 80.100 78.023 78.023 78.023 78.023 78.023 78.023 78.023

Unit NPV 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2023 Market share of individual gas-fired boilers/furnaces sqft 121.484 121.484 119.091 116.699 114.306 111.913 109.520 109.	50 01113)
Building area sqft 121.484 121.484 119.091 116.699 114.306 111.913 109.520 <th>2028</th>	2028
Specific heat demand MBtu/sqft 70	
Use of gas, energy content MMBtu 9.967 9.967 9.771 9.575 9.378 9.182 8.986 <th< td=""><td>109.520</td></th<>	109.520
Market share of other individual energy sources Building area sqft 216.066 213.859 211.651 209.443 207.236 205.028 <td>70</td>	70
Building area Sqft 216.066 213.859 211.651 209.443 207.236 205.028	8.986
Specific heat demand MBtu/sqft 70 70 70 70 70 70 70 70 70 70 70 70 70	
	205.028
Use of other sources, content MMBtu 17.728 17.728 17.546 17.365 17.184 17.003 16.822 16.822 16.822 16.822 16.822 16.822 16.822	70
	16.822
Flue gas emissions	
Sum	
District heating	
CO2 equivalents t 5.686 0 155 185 216 246 277 307 <	307
SO2 lb 52.387 0 2.052 2.185 2.319 2.452 2.586 2.720 2.720 2.720 2.720 2.720 2.720	2.720
NOx lb 186.796 0 7.349 7.818 8.286 8.754 9.223 9.691 9.691 9.691 9.691 9.691 9.691 9.691	9.691
Residual consumers without district heating	
CO2 equivalents t 182.899 12.380 9.394 9.190 8.985 8.781 8.577 8.373	8.373
S02 lb 384.746 21.126 19.285 19.026 18.766 18.506 18.246 17.986 17.986 17.986 17.986 17.986 17.986 17.986 17.986	17.986
NOx lb 478.545 30.367 24.366 23.905 23.445 22.984 22.524 22.064 22.064 22.064 22.064 22.064 22.064 22.064	22.064
Total	
CO2 equivalents t 188.585 12.380 9.549 9.375 9.201 9.027 8.854 8.680	8.680
S02 lb 437.134 21.126 21.337 21.211 21.085 20.958 20.832 20.706 20.706 20.706 20.706 20.706 20.706 20.706 20.706	20.706
NOx lb 665.341 30.367 31.715 31.723 31.731 31.739 31.747 31.755 31.755 31.755 31.755 31.755 31.755 31.755	31.755
Savings of emissions compared to reference	
CO2 equivalents t 71.405 0 2.832 3.005 3.179 3.353 3.527 3.701	3.701
SO2 lb 6.508 0 -211 -85 41 167 294 420 420 420 420 420 420 420 420	420
NOx lb -27.640 0 -1.348 -1.356 -1.364 -1.372 -1.380 -1.388 -1.388 -1.388 -1.388 -1.388 -1.388	-1.388

Appendix 8

District heating project in Groveton, New Hampshire

Scenarios 1B (US Units)

All prices in fixed prices - year 2008	US units
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Scenario 2: Heat supply to district 1+2 of the town

Fuel parametres Waste wood water content Waste wood heat value Light fuel oil heat value	MMBtu/t MMBtu/g	45% 8,06 0,131
Boiler efficiencies Waste wood boiler Fuel oil boiler Individual boilers		94% 92% 85%
Specific operation and maintenance of Waste wood boiler, fixed cost Fuel oil boiler, variable cost Administration of DH company Distribution network Customers' heat exchangers (CHE) Individual oil boiler	1000 \$/yr \$/MMBtu 1000 \$/yr \$/MMBtu	10 0,60 40 0,30 0,90 3,00
Fuel prices Wast wood price Annual real price increase Light fuel oil price	\$/t \$/g	40 2% 4,00
Annual real price increase Heat sales price to customers Annual real price increase	\$/MMBtu	2% 35 0%

			0	1	2	3	4	5	6	7	8	9	10	15	20
	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Discount Rate 5% Discount Factor		13,5	1,000	0,952	0,907	0,864	0,823	0,784	0,746	0,711	0,677	0,645	0,614	0,481	0,377
Fuel costs in fixed prices Waste wood Light fuel oil	\$/t \$/g	47,42 4,75	40,00 4,00	40,80 4,08	41,62 4,17	42,45 4,25	43,30 4,33	44,16 4,42	45,05 4,51	45,95 4,60	46,87 4,69	47,80 4,79	48,76 4,88	53,83 5,39	59,44 5,95

Development of district heating

Market share of district heating No of customers Building area	sqft	1st year 65% 71%		279 592.265	309 641.691	338 691.116	368 740.542	397 789.967	427 839.393						
Specific heat demand	MBtu/sqft		70	70	70	70	70	70	70	70	70	70	70	70	70
Space heating	MBtu/sqft		52	52	52	52	52	52	52	52	52	52	52	52	52
DHW	MBtu/sqft		17	17	17	17	17	17	17	17	17	17	17	17	17

Appendix 8

	11		2000	2000	2010	2011	2012	2012	2014	2015	2017	2017	2010	2022	2020
	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Net heat demand	MMBtu	683.301		41.304	44.751	48.198	51.645	55.092	58.539	58.539	58.539	58.539	58.539	58.539	58.539
Heat distribution losses	MMBtu	15,0%		9.280	9.486	9.693	9.899	10.105	10.311	10.311	10.311	10.311	10.311	10.311	10.311
Heat production demand	MMBtu	-		50.585	54.238	57.891	61.544	65.197	68.850	68.850	68.850	68.850	68.850	68.850	68.850
Heat production of boiler house															
Waste wood boiler	MMBtu			49.320	52.538	55.755	58.973	62.190	65.408	65.408	65.408	65.408	65.408	65.408	65.408
Fuel oil boiler	MMBtu			1.265	1.700	2.136	2.571	3.007	3.443	3.443	3.443	3.443	3.443	3.443	3.443
Fuel consumption of boiler house Waste wood	MMBtu			52.468	55.891	59.314	62.737	66.160	69.583	69.583	69.583	69.583	69.583	69.583	69.583
Light fuel oil	MMBtu			52.468 1.375	1.848	2.321	2.795	3.268	3.742	3.742	3.742	3.742	3.742	3.742	3.742
Waste wood	t			6.512	6.937	7.362	2.795	8.212	8.636	3.742 8.636	3.742 8.636	8.636	8.636	3.742 8.636	8.636
Light fuel oil	gallon			10.479	14.088	17.697	21.306	24.915	28.525	28.525	28.525	28.525	28.525	28.525	28.525
	gunon			10.177	11.000	17.077	21.000	21.710	20.020	20.020	20.020	20.020	20.020	20.020	20.020
Investments in district heating syster	<u>n</u>														
Boiler plant	1000 \$	1.800	1.800												
Distribution network	1000 \$	7.048	6.430	143	143	143	143	143							
Service lines (additional)	1000 \$	1.882		1.332	149	149	149	149	149						
Customers' heat exchangers (CHE)	1000 \$	1.956		1.468	135	135	135	135	135						
Sum	1000 \$	12.686	8.230	2.942	427	427	427	427	284						
Scrap value in 2028 (after 20 years)	operation)														
Boiler plant (20 years liftetime)	1000 \$	0	0												
Distribution network (40 years)	1000 \$	-1.366	-3.215	-75	-79	-82	-86	-89							
Service lines (40 years)	1000 \$			-699	-82	-86	-89	-93	-97						
CHE (20 years)	1000 \$	-79	0	-73	-14	-20	-27	-34	-41						
Sum	1000 \$	-1.877	-3.215	-848	-174	-188	-202	-216	-137						
Operation and maintenance costs															
Waste wood	1000 \$	4.929		266	289	313	337	363	389	397	405	413	421	465	513
Light fuel oil	1000 \$	1.506		43	59	75	92	110	129	131	134	136	139	154	170
Administration	1000 \$	498		40	40	40	40	40	40	40	40	40	40	40	40
O&M of boilers	1000 \$	147		11	11	11	12	12	12	12	12	12	12	12	12
O&M of distribution network	1000 \$	243		15	16	17	18	20	21	21	21	21	21	21	21
O&M of CHE's	1000 \$	728		46	49	52	55	59	62	62	62	62	62	62	62
Total O&M costs	1000 \$	8.051		420	463	508	555	603	652	663	673	684	695	753	818
Net present value/20 years	1000 \$	18.860													
Balance heat sales price	\$/MMBtu	28													
Annual balance for the district he	ating con	npany													
Heat sales price (in fixed prices)	\$/MMBtu	32	35	35	35	35	35	35	35	35	35	35	35	26	20
Real interest rate (in fixed prices)		-	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Income															
Heat sale	1000 \$	21.485		1.438	1.558	1.678	1.798	1.918	2.038	2.038	2.038	2.038	2.038	1.540	1.164
								-							

Appendix 8

	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Expenses															
Investments excl. CHE	1000 \$	10.730	8.230	1.475	292	292	292	292	149						
Administration	1000 \$	498		40	40	40	40	40	40	40	40	40	40	40	40
Fuels costs	1000 \$	6.435		308	347	388	429	473	518	528	539	549	560	619	683
O&M costs	1000 \$	147		11	11	11	12	12	12	12	12	12	12	12	12
Capital expenses (interest costs)	1000 \$	2.009	165	344	348	326	299	269	231	185	134	81	27	0	0
Sum expenses	1000 \$	19.819	8.394	2178	1038	1056	1072	1085	949	765	724	683	640	671	735
Annual balance	1000 \$	1.666	-8.394	-740	520	622	727	834	1.089	1.274	1.314	1.356	1.399	870	429
Accumulated balance	1000 \$		-8.394	-9.134	-8.614	-7.991	-7.265	-6.431	-5.342	-4.068	-2.754	-1.399	0	5.408	8.394
Typical average customer/single	e family hou	ise													
Building area	sqft			1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
Heat demand	MMBtu	1.217		98	98	98	98	98	98	98	98	98	98	98	98
Existing heat supply (excl. reinvestn	nents)														
Light fuel oil	\$/MMBtu		36	37	37	38	39	40	40	41	42	43	44	48	53
Operation and maintenace	\$/MMBtu		00	3	3	3	3	3	3	3	3	3	3	3	3
Sum	\$/MMBtu			40	40	41	42	43	43	44	45	46	47	51	56
Investment	\$			10	10		12	10	10		10	10	.,	01	00
Annual expenses	\$	56.098		3.869	3.941	4.014	4.088	4.164	4.241	4.320	4.401	4.483	4.567	5.012	5.503
Annual expenses	Ŷ	00.070		0.007	0.711	1.011	1.000	1.101	1.2.11	1.020	1.101	1.100	1.007	0.012	0.000
Average annual expenses	\$	4.167													
Balance heat price	\$/MMBtu	46													
New heat supply based on district he	eating (incl.	investment	s)												
Purchase of heat	\$/MMBtu		35	35	35	35	35	35	35	35	35	35	35	26	20
	\$/MMBtu			1	1	1	1	1	1	1	1	1	1	1	1
O&M costs of CHE	φ/ With D t α				24	24	36	36	36	36	36	36	36	27	21
O&M costs of CHE Sum	\$/MMBtu			36	36	36	30	00	00	00	50		30	21	21
			4.000	36	36	36	50	00	00	00	50	00	30	27	21
Sum	\$/MMBtu	43.614	4.000 4.000	36 3.488	36 3.488	36 3.488	3.488	3.488	3.488	3.488	3.488	3.488	3.488	2.657	2.029
Sum Investment	\$/MMBtu \$	43.614													

1.496.840 904.574 739.568 698.317 698.317 698.317 698.317 698.317 698.317 Building area sqft 863.323 822.071 780.820 698.317 70 70 70 70 70 70 70 70 70 70 70 70 70 Specific heat demand MBtu/sqft Use of oil, energy content MMBtu 122.811 74.217 70.833 67.448 64.064 60.679 57.295 57.295 57.295 57.295 57.295 57.295 57.295

District heating project in Gro		Appendix 8									Scenario 2 (US Units)				
	Unit	NPV	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2023	2028
Market share of individual gas-fire	d boilers/furna	aces													
Building area	sqft		121.484	121.484	117.032	112.581	108.129	103.677	99.225	99.225	99.225	99.225	99.225	99.225	99.225
Specific heat demand	MBtu/sqft		70	70	70	70	70	70	70	70	70	70	70	70	70
Use of gas, energy content	MMBtu		9.967	9.967	9.602	9.237	8.872	8.506	8.141	8.141	8.141	8.141	8.141	8.141	8.141
Market share of other individual er	nergy sources														
Building area	sqft		216.066	216.066	212.344	208.622	204.900	201.177	197.455	197.455	197.455	197.455	197.455	197.455	197.455
Specific heat demand	MBtu/sqft		70	70	70	70	70	70	70	70	70	70	70	70	70
Use of other sources, content	MMBtu		17.728	17.728	17.422	17.117	16.811	16.506	16.201	16.201	16.201	16.201	16.201	16.201	16.201
Flue gas emissions															
C C		Sum													
District heating															
CO2 equivalents	t	8.861	0	236	285	333	382	431	480	480	480	480	480	480	480
SO2	lb	81.563	0	3.125	3.349	3.573	3.798	4.022	4.246	4.246	4.246	4.246	4.246	4.246	4.246
NOx	lb	290.822	0	11.191	11.980	12.768	13.556	14.344	15.132	15.132	15.132	15.132	15.132	15.132	15.132
Residual consumers without distric	t heating														
CO2 equivalents	t	147.023	12.380	8.162	7.825	7.489	7.153	6.816	6.480	6.480	6.480	6.480	6.480	6.480	6.480
SO2	lb	354.944	21.126	18.526	18.094	17.663	17.231	16.799	16.367	16.367	16.367	16.367	16.367	16.367	16.367
NOx	lb	403.729	30.367	21.890	21.132	20.374	19.616	18.858	18.100	18.100	18.100	18.100	18.100	18.100	18.100
Total															
CO2 equivalents	t	155.884	12.380	8.398	8.110	7.822	7.535	7.247	6.959	6.959	6.959	6.959	6.959	6.959	6.959
SO2	lb	436.507	21.126	21.651	21.443	21.236	21.028	20.821	20.613	20.613	20.613	20.613	20.613	20.613	20.613
NOx	lb	694.550	30.367	33.081	33.111	33.141	33.171	33.202	33.232	33.232	33.232	33.232	33.232	33.232	33.232
Savings of emissions compared to	reference														
CO2 equivalents	t	104.106	0	3.983	4.270	4.558	4.846	5.133	5.421	5.421	5.421	5.421	5.421	5.421	5.421
SO2	lb	7.135	0	-525	-317	-110	97	305	512	512	512	512	512	512	512
NOx	lb	-56.850	0	-2.714	-2.745	-2.775	-2.805	-2.835	-2.865	-2.865	-2.865	-2.865	-2.865	-2.865	-2.865
			1												

Appendix 9: Charts with Project Key Figures

The charts show the 3 scenarios A1, A2 and A2 and are based on the calculations from Appendix 8.

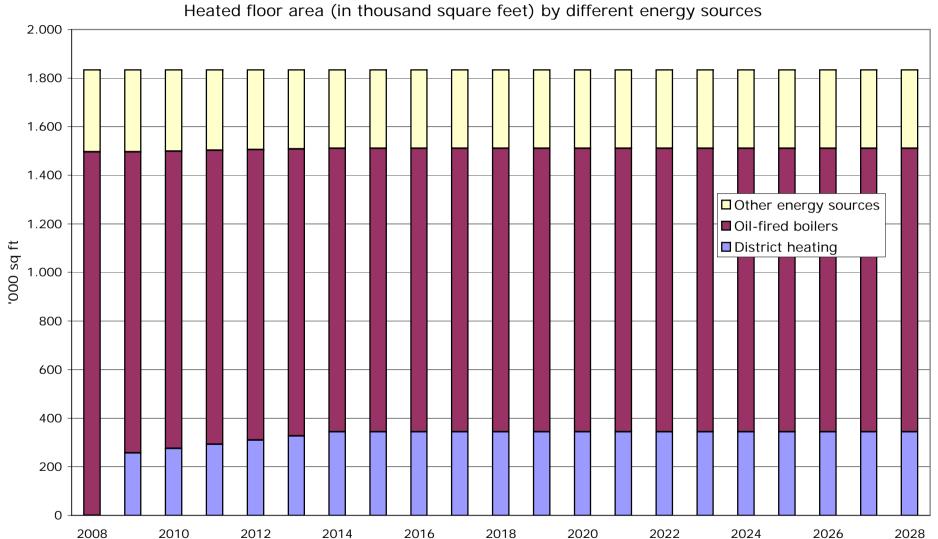
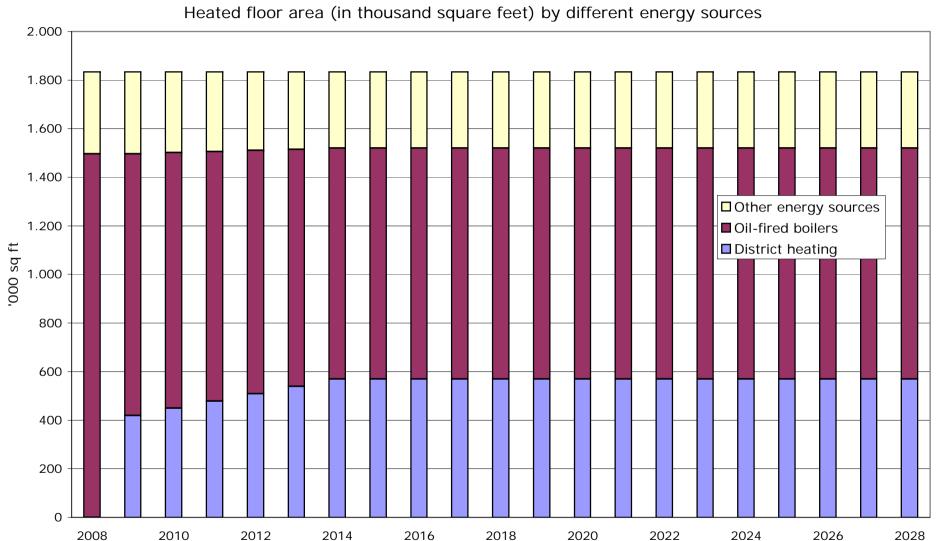
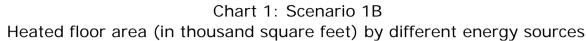


Chart 1: Scenario 1A Heated floor area (in thousand square feet) by different energy sources





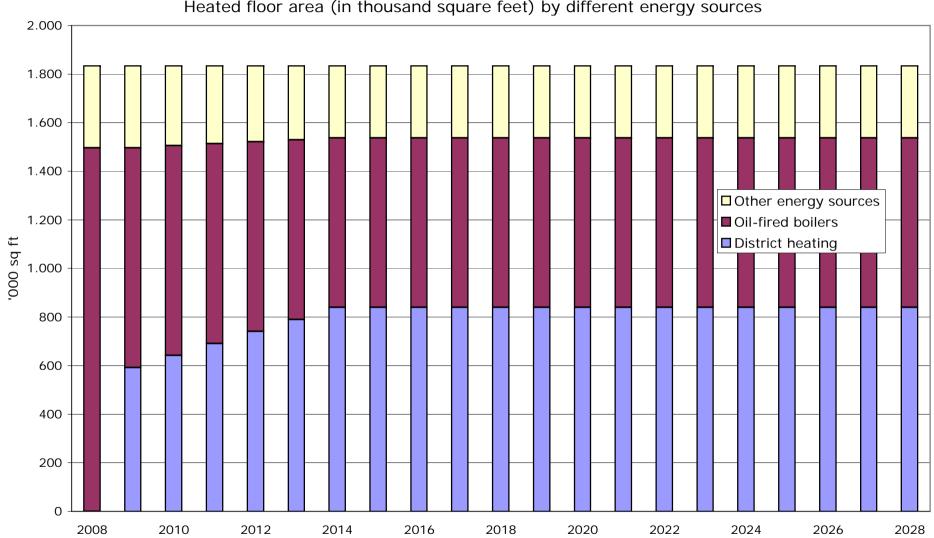


Chart 1: Scenario 2 Heated floor area (in thousand square feet) by different energy sources

Appendix 9 - Charts

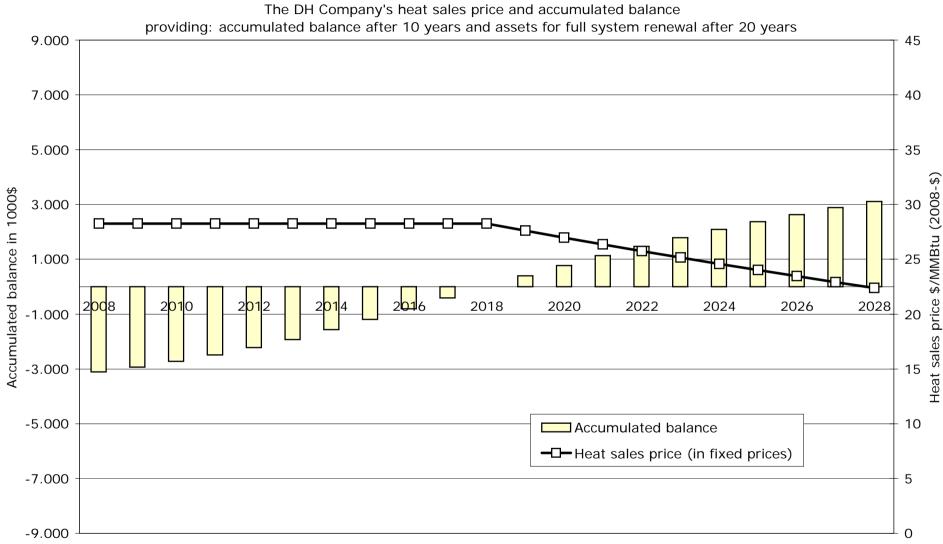


Chart 2: Scenario 1A

Accumulated balance in 1000\$

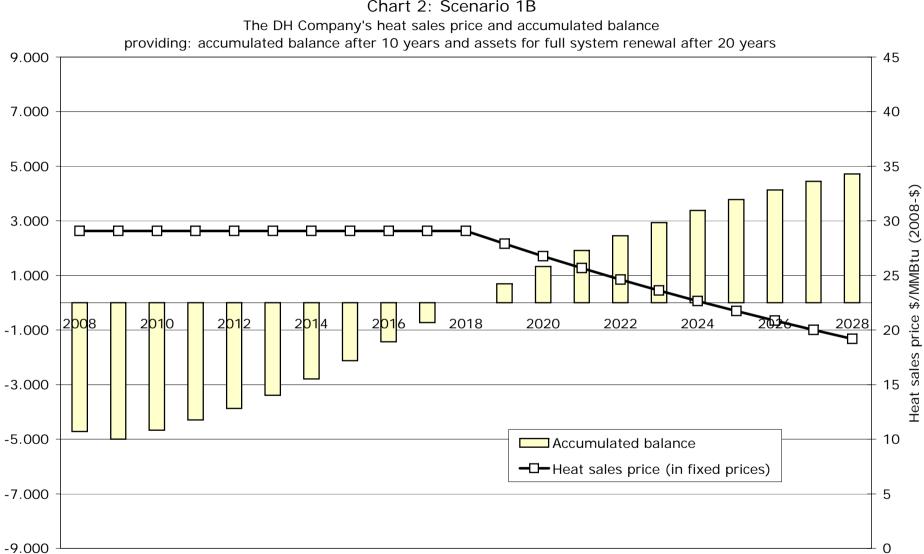


Chart 2: Scenario 1B

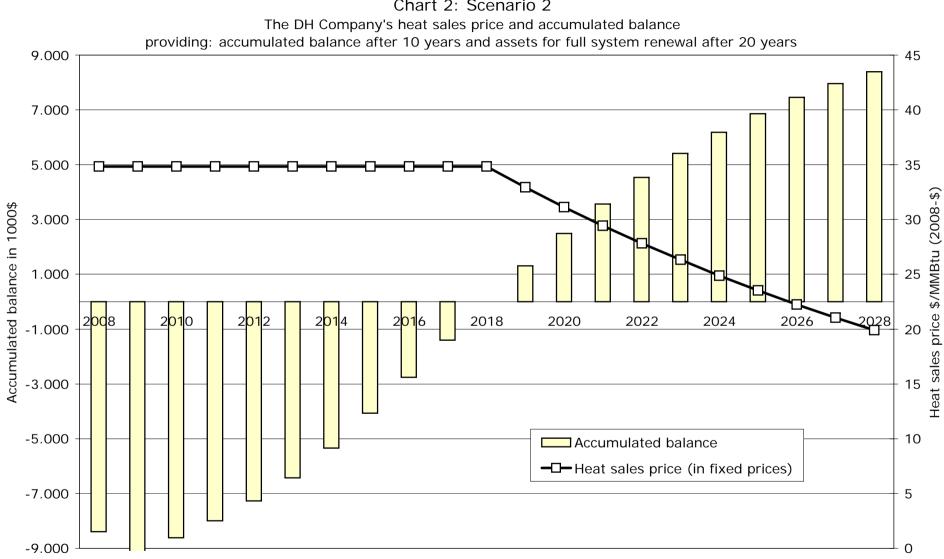


Chart 2: Scenario 2

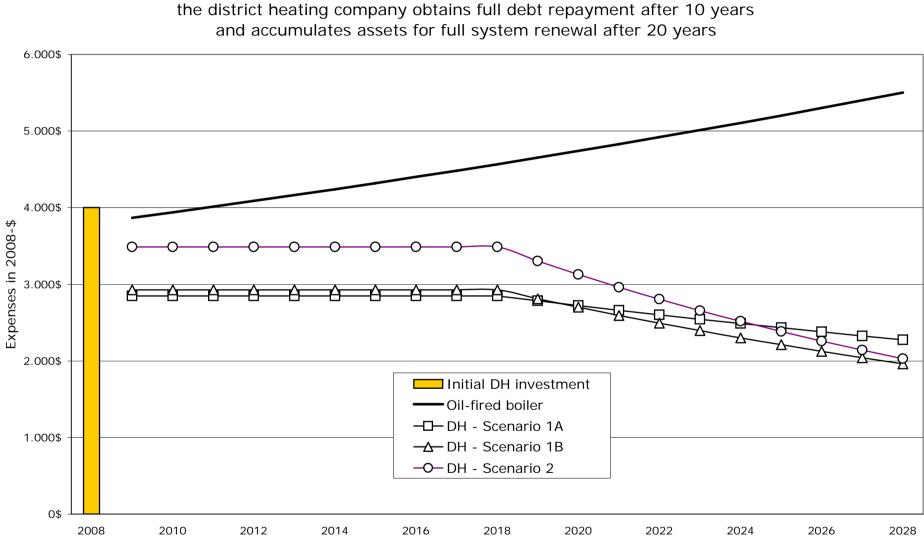
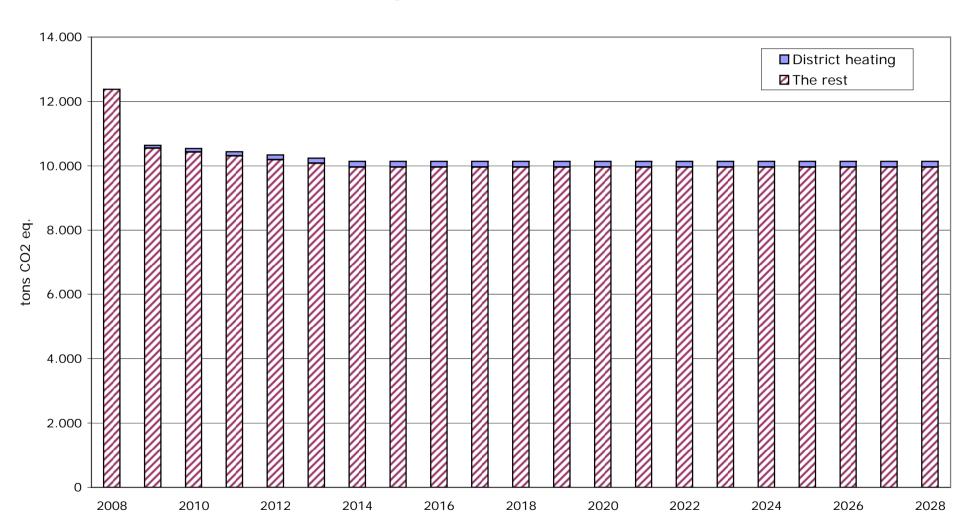


Chart 3: Initial and annual heating expenses for a single-family household - provided that: the district heating company obtains full debt repayment after 10 years



Char 4: Scenario 1A Total annual flue gas emissions - tons CO2 equvivalents

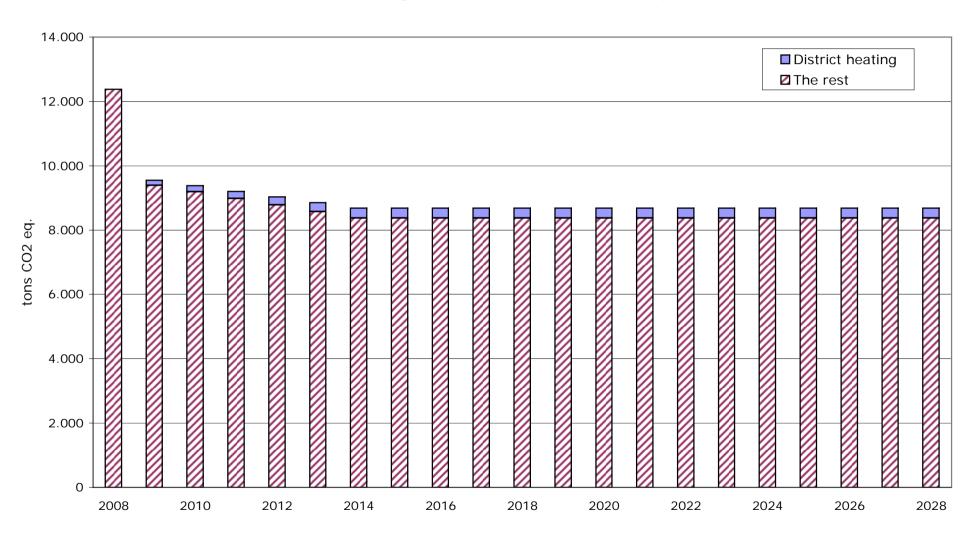


Chart 4: Scenario 1B Total annual flue gas emissions - tons CO2 equivalents

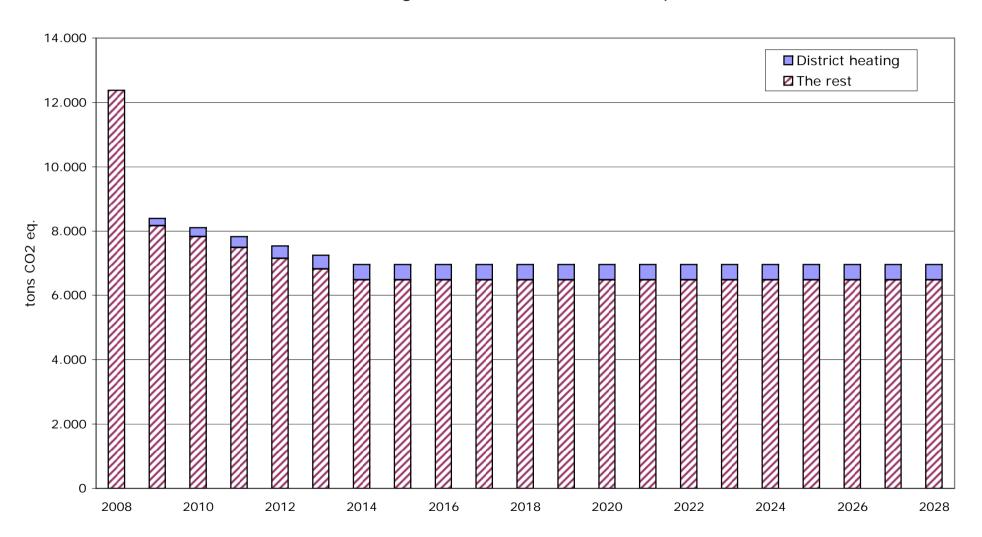


Chart 4: Scenario 2 Total annual flue gas emissions - tons CO2 equivalents