

**Brandon Select Board Meeting**  
**July 29, 2019**  
**7:00 p.m.**

The Brandon Select Board will meet Monday, July 29, 2019 at 7:00 p.m. at the Brandon Town Hall located at 1 Conant Square expecting to consider the items noted on this agenda. Agendas shall be posted on the community bulletin board located at the Town Office at 49 Center Street and on the community bulletin board located between Dave's Grocery and the Forest Dale Post Office. The Select Board reserves the right to add additional items, if necessary, at the beginning of the meeting.

- 1) Call to Order
  - a) Agenda Adoption
- 2) Approval of Minutes
  - a) Select Board Minutes – July 8, 2019
- 3) Town Manager's Report
- 4) Zoning Administrator's Report
- 5) Public Comment and Participation
- 6) Energy Committee Vacancy
- 7) Fiscal
  - a) Warrant FY 2018/2019 - July 29, 2019 - \$53,322.35
  - b) Warrant FY 2019/2020 - July 29, 2019 - \$219,491.65
  - c) Route 7 Construction Warrant - July 29, 2019 - \$1,091,402.63
  - d) Bridge 114 Warrant - July 29, 2019 - \$103,963.54
- 8) Adjournment

## **Brandon Select Board Meeting July 8, 2019**

**NOTE: These are unapproved minutes, subject to amendment and/or approval at the subsequent board meeting.**

**Board Members In Attendance:** Seth Hopkins, Brian Coolidge, Tim Guiles, Tracy Wyman

**Others In Attendance:** Dave Atherton, Brent Buehler, Charles Powell, Mike Frankiewicz, Wayne Rausenberger, Russell Jones, Butch Shaw

The meeting was called to order by Seth Hopkins – Chair at 7:00PM.

### **1. Call to order**

**a) Agenda Adoption – Motion** by Brian Coolidge/Tim Guiles to adopt the agenda, as amended. **The motion passed unanimously.**

Item 3a – Resolution of Sorrow for Art Doty.

Item 6e - Addition of Executive Session in accordance to VSA 313(a)(1) regarding a Rutland Probate Court action.

Mr. Hopkins advised the next Select Board meeting will be held July 29<sup>th</sup> due to scheduling conflicts with the 4<sup>th</sup> Monday of the month.

### **2. Approval of Minutes**

**a/b) Approval of Minutes – June 24, 2019 - Select Board Meeting**

**Motion** by Brian Coolidge/Tim Guiles to approve the June 24, 2019 Select Board Meeting minutes. **The motion passed with one abstention – Tracy Wyman.**

### **3. Town Manager's Report**

Dave Atherton provided the following Town Manager's report for the weeks of June 24<sup>th</sup> and June 30<sup>th</sup>.

#### ***Union Street Sidewalk:***

The Notice of Award has been sent to Markowski. Once they return it, we will have a start date for construction.

#### ***Park Street:***

Pre-Bid meeting 7/9/19 at 10:30AM - Bid Opening on 7/23/19 @ 1PM.

***Segment 6:***

Second Week "Look Ahead":

- . Segment A: High Street waterline installation.
- . Segment A: South water testing and transfer to new system.
- . Segment A: Route 7 South sewer line installation.
- . Segment A: Route 7 South water services' installations.
- . Segment A: Route 7 South stormwater drainage installations.
- . Segment C: Night work downtown (sidewalk rock removal, CU soil installation at Tree planting sites, site lighting conduit, sidewalk preparations).
- . Segment B: Sidewalk placements.
- . Segment E: Sidewalk in front of laundromat, Ace, Champlain Farms and McDonough's.
- . Central Park fountain concrete.
- . Plantings in Segment B, D, E and F (week of July 15<sup>th</sup>).

***Route 73:***

First pass of reclaim operations will continue in Brandon and should be completed by the middle of this week.

The second pass reclaim operation will begin in Brandon later in the week of 7/8 after the first pass has been completed.

Grading work will continue to follow reclaim operations in Brandon for the entire week.

They are starting to pave on the top part.

***Other Happenings:***

McConnell Road culvert, ditch and wheel rut repairs will continue for the next few weeks. We are looking at paving mid-August.

Tracy Wyman asked whether it would be beneficial to place a No Thru Traffic sign on McConnell when working in that area. Dave Atherton did not think that would work well. Mr. Wyman suggested it would be beneficial to have a flagging company in the area. Mr. Atherton will ask the Police Chief if the Brandon P.D. could potentially assist with the flagging. Mr. Atherton noted this project will be done quickly.

Charles Powell asked if the plantings include in front of 4 Conant Square. Mr. Atherton confirmed the area is in Segment D and it will be included in the work.

***3a. Resolution of Sorrow for Art Doty***

Seth Hopkins read the following "Resolution of Sorrow" for Art Doty:

*“WHEREAS Brandon has lost an exemplary citizen with the passing of Art Doty on July 2, 2019, and*

*WHEREAS at the time of his passing, Art was continuing his many years of service to protect public health and quality of life as our official representative to the mosquito control district, and*

*WHEREAS Art was a man of many interests and gifts, sharing his knowledge of sailing with youngsters, his love of model railroads with many, and his musical talents with people special to him, and*

*WHEREAS Art accomplished the rare feat of being elected to the respected office of Moderator of two different Vermont towns, presiding over Brandon Town Meeting after moving here from Salisbury, where he also had been elected Moderator, and*

*WHEREAS because he was a believing Christian, Art believed in second chances, fostering humane treatment of vulnerable children in the care of Vermont state institutions, and giving of his time and good judgment to Brandon’s restorative justice program for youthful offenders, and*

*WHEREAS Art Doty was one of a kind, and Brandon won’t be the same without him,*

*NOW THEREFORE, BE IT RESOLVED that the Brandon Select Board expresses its sorrow at the death of Leo Arthur “Art” Doty, Jr., veteran of the United States Army, self-directed entrepreneur, and community citizen, and*

*BE IT FURTHER RESOLVED that the Brandon Select Board observe a moment of silence in memory of our friend Art Doty at its July 9, 2019 meeting, and*

*BE IT FURTHER RESOLVED that the Brandon Select Board extends its condolences to Art’s gracious wife and life partner Donna and their children Paul and Susan, and that a copy of this resolution be shared with the grieving family.*

*Adopted at Brandon, Vermont,  
July 9, 2019”*

**Motion by Tim Guiles/Tracy Wyman to approve the Resolution of Sorrow for Art Doty. The motion passed unanimously.**

#### **4. Public Comment and Participation**

Wayne Rausenberger noted a few Select Board meetings ago there was discussion of the wetland reclassification and the Town was led to believe the Select Board does not have a say in this subject. Mr. Rausenberger thought it is important for the Select Board to revisit this subject and suggested the Select Board vote, regardless of whether there is weight to the vote, as there are many landowners that are not happy with the change. Mr. Rausenberger stated there are not many landowners who are behind this change. There are 8 people on the Steering Committee and of the 8 there is only one person that has an interest in the subject and the others have no

land that is affected by this change. Mr. Rausenberger did not believe it is right to tell landowners what they can do with their property.

Seth Hopkins attended the Cornwall meeting and they were clear that the towns have no role in this subject. He did not think the Board should vote absent of a full board and suggested it would be premature to vote as the mapping has not been completed. There is the Class 2 wetland that is established and perhaps the Class 1 would be inside of that area and would be much less property infringement. It is not known what the Class 1 wetland will look like until a map is drawn.

Tim Guiles stated when they sent out the letters, they sent them to the people they thought would be affected by the change. Once the boundary is laid, it will be known specifically who will be affected. Geo-mapping was used and overlaid with the mapping level at the town and came up with a conservative boundary of what was thought to be the affected land. Mr. Rausenberger questioned why this is being discussed until it is known what is to be done and who will be affected by the reclassification. Mr. Guiles stated this has been a thoughtful process in trying to be inclusive and noted the wetland is a resource to all the people in the State and this is part of the democratic process in determining the public resources. When talking about clean air and clean water, it is everyone's concern, not just those affected. Mr. Guiles noted the wetlands are a public good. Mr. Rausenberger stated the wetlands were classified in 2010 and questioned why it was not classified as a Class 1 until now and questioned what changed to request reclassify it from Class 2 to Class 1. Mr. Rausenberger noted this change does not affect him, but he felt the process was done wrong and there was no consideration at the beginning for the landowners.

Seth Hopkins noted he had the opposite experience as the process has worn on. He feels that it is more a question of recognizing what something is and contributing to the ecology and the overall picture. Mr. Rausenberger stated it has an effect on many other people and he thought that some have been left out. Dave Atherton noted the State is not taking any land or creating easements and from his understanding, the Class 1 could be within the Class 2 area and would not change anything. Mr. Atherton stated people need to know that this is not a restrictive covenant put on their properties and noted the Town has stricter regulations with the River Corridor and Flood Plain regulations.

Charles Powell noted he agreed with Mr. Atherton and Mr. Guiles for the record. Brent Buehler stated there was discussion of possible programs for landowners due to the contribution to the ecology, such as tax compensation. Tracy Wyman somewhat agreed with Mr. Rausenberger as there are several people that have a right of way that might have restrictions. It was noted that the right of ways would not be affected.

Seth Hopkins stated there has been information received from the Steering Committee, public meetings and newspaper stories, but he did not think the Board had enough information to vote. Mr. Rausenberger would like the Select Board to have further discussions when there is a full board and to let the landowners know what the Select Board's stand is on this subject.

Representative Butch Shaw advised that he has done some research on this subject and noted it is a long process. Any citizen can petition the Agency of Natural Resources (ANR) to create a Class 1 resource. As the process moves forward, the Secretary of the Agency is the sole person

that will make the recommendation to the Natural Resources Board to determine if this is to be changed. It is a lengthy process and there are public meetings held along the way. There has been no action taken by the Secretary's office. The Secretary is required to work with the municipalities and agencies to determine if it is to be reclassified. If the Town has not been notified yet, there will be notification received at some point in the future. As the petition moves forward, there will be many actions taken to reclassify the wetland. The petition has not been generated yet and ANR is not involved in this process yet. If they do the petition, it will require public hearings and then it will move forward. Should the Secretary make the determination, that would be the time the Select Board would weigh in, if they are compelled to. Should this be reclassified as a Class 1 wetland, current rules will be implemented in the wetland. Should the Secretary determine there are further rules needed for this wetland, the rules would have to be taken through the rule making process that would include more public hearings. If they get through that process it would be submitted to the Interagency Committee on Administrative Rules (ICAR) for review and would then be forwarded to the Legislative Committee on Administrative Rules (LCAR). Should LCAR not approve the rules, the rules come into effective without legislative approval and would not have the full force of the law behind it. The public will have many times to weigh in on this subject during the process. Tim Guiles stated it is a long democratic process where ideas come forward and the process works.

Seth Hopkins stated the Select Board will take it under advisement and it will be discussed further at a subsequent meeting.

Brent Buehler asked whether there had been further input regarding the Town land purchase discussion that was tabled back in March about maximizing the towns profits on selling land and the notification to the public. Mr. Buehler stated there was concern with the process and it was suggested that the adjoining landowners should be notified. Tim Guiles intends to explore model processes and policies in other towns through VLCT and appreciated the reminder from Mr. Buehler. Dave Atherton advised that the Town follows the statutory requirements for warning the public of Town land sales and noted the Town does not advertise land for sale.

Seth Hopkins advised that Ken Backus and Brandi Whitney lost their house in a fire and will have a large hurdle to rebuild their home and get their family back together. Mr. Hopkins stated there is a Go-Fund-Me page for this effort.

## **5. Approve FY2019–2020 Tax Rate**

**Motion** by Brian Coolidge/Tracy Wyman to approve the FY 2019-2020 Municipal tax rate of \$0.963, the Homestead Education tax rate of \$1.3343 and the Non-Residential Education tax rate of \$1.5516. **The motion passed unanimously.**

## **6. Fiscal**

### ***a) Warrant FY 2018/2019 – July 8, 2019 - \$30,030.38***

**Motion** by Tim Guiles/Brian Coolidge to approve the July 8, 2019 FY 2018/2019 warrant in the amount of \$30,030.38. **The motion passed unanimously.**

***b) Warrant FY 2019/2020 – July 8, 2019 - \$113,658.97***

**Motion** by Tracy Wyman/Brian Coolidge to approve the July 8, 2019 FY 2019/2020 warrant in the amount of \$113,658.97. **The motion passed unanimously.**

Seth Hopkins wished to thank the Administration for the new format.

***d) Route 7 Construction Warrant – July 8, 2019 - \$631,559.02***

**Motion** by Brian Coolidge/Tim Guiles to approve the Route 7 Construction warrant in the amount of \$631,559.02. **The motion passed with one abstention – Tracy Wyman.**

***e) Bridge 114 Warrant – July 8, 2019 - \$2,039.80***

**Motion** by Tracy Wyman/Tim Guiles to approve the Bridge 114 warrant in the amount of \$2,039.80. **The motion passed unanimously.**

The Select Board recessed at 7:46PM.

The Select Board reconvened at 8:14PM.

**Motion** by Seth Hopkins/Brian Coolidge to find that premature general public knowledge of the Rutland Probate Court action will clearly place the Town of Brandon at a substantial disadvantage. **The motion passed unanimously.**

**Motion** by Seth Hopkins/Brian Coolidge to enter executive session at 8:16PM in accordance with 1 VSA 313(a) (1) – Confidential attorney-client communications made for the purpose of providing professional legal services to the body to discuss the Rutland Probate Court action with the session to include the Town Manager. **The motion passed unanimously.**

**7. Executive Session**

The Select Board came out of executive session at 8:31PM. There was no action required.

**8. Adjournment**

**Motion** by Brian Coolidge/Tracy Wyman to adjourn the Select Board meeting at 8:32PM. **The motion passed unanimously.**

Respectfully submitted,

Charlene Bryant  
Recording Secretary

**MISCELLANEOUS: Summary of the VLCT Spring Planning & Zoning Forum:**

On June 11<sup>th</sup>, a mix of 108 municipal and regulatory residents from all over VT assembled at the Lake Morey Inn in Fairlee for this information meeting. The largest contingency were Planning Commissioners (43%), followed by Zoning Administrators (30%), then ZBA/DRB members (15%), Lawyers & Judges (6%), and Select Board members (6%).

In reference to the (attached) Agenda:

VT's Environmental Court Justices Durkin & Walsh gave an hour long presentation on how the E-Court is structured and answered many procedural questions from the attendees. A segment on the statutory requirements for writing Appropriate Municipal Panel (AMP) Decisions; as well as how to address Appeals was also covered.

The second session discussed Municipal Planning Grants by members of the Dept. of Housing & Community Development.

The third session was a lively summary by VLCT Public Policy advocate Gwynn Zakov, who discussed which 93 bills (of the 1000+/- bills introduced at the beginning of the Legislative Session) passed (or were expected to pass) into law. There was NO final action on marijuana legalization or the update to Act 250. Both are expected to resurface in the next session.

The last session was focused on Zoning issue, done in an expert panel format, with lots of every day challenges for ZAs discussed.



# SPRING PLANNING & ZONING FORUM

Vermont League of Cities and Towns

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## ***Agenda – Tuesday, June 18, 2019, Lake Morey Resort, Fairlee***

**8:30 Registration (coffee and light breakfast included)**

**8:55 Welcome Message**

**Abigail Friedman, Director, VLCT Municipal Assistance Center**

**9:00 From the Docket: Lessons Learned from the E-Division**

The judges from the Environmental Division of the Superior Court will address an array of topics including how cases work through the court system, the role of municipalities in the appeal process, and how towns are without jurisdiction (legal authority) to further consider an application once an appeal is filed with the Environmental Division. Judge Durkin and Judge Walsh also will help bridge the gap between municipalities as users of the Environmental Division and the judges and staff who make the court work. Please bring your questions for a lively discussion.

**Honorable Thomas Durkin and Honorable Thomas Walsh, Presiding Judges, Environmental Division, Superior Court**

**10:30 Break**

**10:45 Jump-Starting Community Success with Municipal Planning Grants**

Ready to make progress on positive changes for your town or city? Learn how Vermont's small but flexible Municipal Planning Grants are used to form a vision, unlock other funding, and resolve long-standing concerns. Jacob Hemmerick and Faith Ingulsrud from the Community Planning + Revitalization program (Department of Housing and Community Development) will share examples of local successes, tips for preparing a competitive grant application, and ways to access other opportunities.

**Faith Ingulsrud, Planning Coordinator, Department of Housing and Community Development  
Jacob Hemmerick, Community Planning and Policy Manager, Department of Housing and Community Development**

**Janet Hurley, Administrative Officer and Planning Director, Manchester Town**

**Tad Nunez, Administrative Officer and Town Administrator, Fairlee, Vt.**

**12:00 Lunch (provided)**

**1:00 2019 Legislative Wrap Up**

Gwynn Zakov, will share an update of the 2019 legislative session and new or revised laws that will impact municipalities, including the regulatory scheme that has been developed for cannabis.

**Gwynn Zakov, Municipal Policy Advocate, Vermont League of Cities and Towns**

***This workshop is eligible for up to 5.0 General and 1.5 Legal AICP Continuing Education Credits (ref. #9146769) and attorneys may be eligible for up to 4.5 General Continuing Legal Education Credits***

**1:45 Break**

**2:00 You've Got Questions? We've Got Answers: A Moderated Q&A Session**

This will be a broad, facilitated question and answer session with an experienced panel of land use professionals and municipal officials. Bring your questions, advice, and stories to share.

**Facilitator:**

**Alison Low, AICP, Senior Planner, Northeastern Vermont Development Association**

**Panelists:**

**Mike Harris, Town of Burke Interim Zoning Administrator**

**Janet Hurley, Administrative Officer and Planning Director, Manchester, Vt.**

**Tad Nunez, Administrative Officer and Town Administrator, Fairlee, Vt.**

**3:15 Complete Evaluations**

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**Upcoming Workshops:**

***Town Health Officers Workshop (1/2 Day)***

**Holiday Inn, Rutland**

**Thursday, July 18, 2019**

*To register: <https://www.vlct.org/training-events>*

***This workshop is eligible for up to 5.0 General and 1.5 Legal AICP Continuing Education Credits (ref. #9146769)  
and attorneys may be eligible for up to 4.5 General Continuing Legal Education Credits***

# SPRING PLANNING AND ZONING FORUM

Vermont League of Cities and Towns

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## ***Speaker List***

**Thomas S. Durkin** was sworn in by Vermont Governor James Douglas on January 31, 2005 to become Vermont's second Environmental Judge. What is now known as the Environmental Division of the Vermont Superior Court was first established in 1990. Its jurisdiction includes appeals from municipal zoning and planning decisions, State land use (Act 250) and other State permit decisions and State and municipal enforcement proceedings. The two Environmental judges travel throughout Vermont to State Courthouses to conduct court trials on contested matters. Judge Durkin also is assigned from time to time to hear cases in the Civil, Criminal, and Family/Mental Health Divisions of the Superior Court. Before becoming a judge, Durkin was a Vermont attorney for nearly twenty years. He first worked in the Brattleboro area law firm of Kristensen, Cummings, Murtha & Stewart, where he became a partner in 1989 and remained at that firm until 1992. He then helped form Kramer & Durkin, P.C., a general practice law firm that served Southern Vermont from its two offices in Brattleboro and West Dover, Vermont. As an attorney, Durkin focused on civil litigation, including land use and environmental litigation, commercial and residential transactions and financing, and representing municipal governments in transactional and litigation matters.

**Jacob Hemmerick**, Community Planning & Policy Manager, Department of Housing and Community Development (DHCD), Community Planning + Revitalization Division.

Jacob joined DHCD last year to support a variety of state programs and policy work related to the Vermont Municipal and Regional Planning Act and the Downtown Development Act. He provides direct administrative support to the Division's Growth Center and New Town Center designations and has served as a local Planning and Economic Development Director, Acting Zoning Administrator, Development Review Planner, and an ICMA Management Fellow in Milton, Vermont – successfully applying to the Municipal Planning Grant Program and overseeing a comprehensive bylaw re-write. Jacob holds a Master of Public Administration from the University of Dayton and lives in Barre.

**Janet Hurley**, Planning & Zoning Director, Town of Manchester

The Municipal Planning Grant (MPG)-funded Northshire Economic Development Strategy (NEDS) identified a number of issues for the Town of Manchester - chiefly a need for housing and downtown vitality to attract a dwindling workforce and to address increasing retail vacancies. Since starting work for Manchester on the heels of the NEDS, Janet has secured Municipal Planning Grant funding for a comprehensive rezoning effort, development of a Downtown Plan, and for a feasibility study for downtown mixed-use development that includes significant housing units. After new zoning was adopted last year, she pursued and secured a Neighborhood Development Area designation for Manchester and she has plans up her sleeve for continued use of the MPG program for the town. Janet has worked for other Vermont municipalities, including Westford, Milton, and South Burlington. In addition to serving as Planning Director, Zoning Administrator, and E911 Coordinator for Manchester, she also serves as Chair of the Bennington County Regional Commission.

**Faith Ingulsrud**, Planning Coordinator, Department of Housing and Community Development (DHCD), Community Planning + Revitalization Division.

Faith has worked at DHCD for nearly 20 years, supporting local planning efforts through education and training, funding and state designation programs, and coordinating with the regional planning commissions -- applying what she learned from prior work as a town planner and Act 250 coordinator and education in landscape architecture. She was involved in producing many of the publications on municipal land use planning and regulations available through [www.vpic.info](http://www.vpic.info), and on the [DHCD site](#), and is currently active in the [Interagency Village Wastewater Solutions Initiative](#), administering the [Neighborhood Development Area designation](#), and producing guidance for municipalities on Housing-Ready Bylaws.

**Tad Nunez**, Fairlee Town Administrator, has an enriched professional background working in the community public sector for thirty-nine years. His primary positions were as a Parks and Recreation Director. During his tenure year he has successfully secured multiple local, state and federal grants ranging from \$500 to \$3.5 million-dollar projects. His management skills and practices have enabled him to stretch the municipal general fund dollars with grant funding to assure projects are implemented and completed.

**Hon. Thomas G. Walsh** was appointed to the Vermont Superior Court in November 2011. Judge Walsh is currently assigned to the Environmental Division; however, he also presides in the Criminal Division. Prior to his appointment to the Superior Court, Judge Walsh was a founder and managing partner in Walsh & Monaghan LLP, a full-service law firm focusing on land use and environmental law out of Burlington. Prior to his practice with Walsh & Monaghan LLP, Judge Walsh served for 6 years as counsel to the former Environmental Board which oversaw Vermont's Act 250 Land Use law. Prior to law school, he practiced environmental engineering for four years with a national environmental consulting firm. He received his BS in Agricultural Engineering from Cornell University in 1986, and his Juris Doctor and Masters in Environmental Law and Policy from Vermont Law School in 1993.

**Gwynn Zakov** Policy Advocate, and one-half of the Public Policy and Advocacy department. Gwynn lobbies on behalf of VLCT's municipalities, and represents municipal interests at the state and federal level, and with other similarly minded association. She joined VLCT in January 2014 as a Staff Attorney in the Municipal Assistance Center, and in December 2015 she joined the Public Policy and Advocacy department. She enjoys bridging the divide between state and local government in her advocacy work, and helping to develop policies, and fight for legislative changes that strengthen local government. She served on the Barre City DRB, spent three years as the Zoning Administrative Officer for the Town of Richmond, and currently serves on the Brookfield Planning Commission. She lives in Brookfield on a mountainside homestead with her bees, chickens, dogs, and an endless amount of chores. She enjoys riding her horse, Siri, learning how to farm and fix stuff, and enjoys the endless activities the change of seasons brings to Vermont.

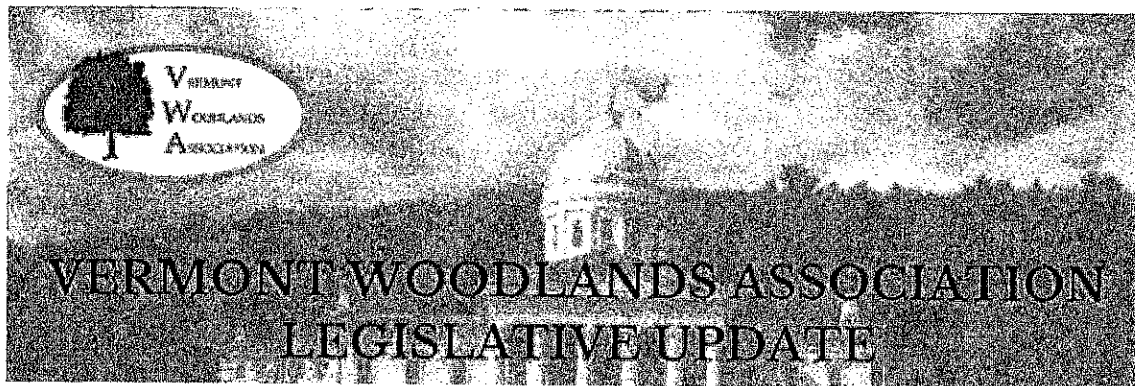
**From:** Vermont Woodlands Association <info@vermontwoodlands.org>  
**To:** landtrade <landtrade@aol.com>  
**Subject:** Legislative Update May 29, 2019  
**Date:** Thu, May 30, 2019 6:03 am

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## LEGISLATIVE UPDATE

**May 29, 2019**

**Final Issue**

*ejc Consulting*

6147 VT RTE 116, Starksboro, VT 05487

[ejcconsultingvt@gmail.com](mailto:ejcconsultingvt@gmail.com)

802 233 9563

We would like to thank Jane Clifford for her outstanding service during this legislative session. The report that follows is a very extensive and informative review of bills that passed or did not pass.

In one of the most bizarre adjournments in recent history the 2019 Legislative session came to end, officially, Wednesday afternoon, May 29. However, the House and the Governor had adjourned on Friday May 24, when Speaker Johnson realized there would not be an agreement reached on either paid family leave or the minimum wage between the House and the Senate.

Both the paid family leave and minimum wage bills had been priority legislation for the Democrats. With the Democrats holding a super majority in both chambers and not delivering on key legislation what will the January 2020 legislative session look like??

## **BILLS THAT PASSED THIS SESSION**

Below is a brief review of bills that were passed this session that pertain to agriculture, forestry, water quality, financing and employment.

If you are interested in a bill that is not listed you can go to the legislative website to see where that bill is at. This is the end of the first year of the biennium, so if a bill did not pass it may come back next year.

### **H-82An act relating to the taxation of timber harvesting equipment**

This bill exempts the sales and use tax on parts for or accessories sold with timber harvesting equipment. The Department of Taxes will publish guidance relating to the application of this exemption. The Governor signed this bill on May 23 and it went into effect when it was signed.

### **H-514An act relating to miscellaneous tax provisions**

This bill makes numerous changes to Vermont's tax laws. The bill permits the creation of merged property assessment districts to match merged school districts. The bill moves the collection and administration of the fire safety insurance tax, the direct placement insurance tax, and the surplus lines tax from the Department of Financial Regulation to the Department of Taxes. The bill makes numerous other changes, including changes to the current use lien system, the definitions of household income and homestead, tobacco taxes, and higher education investment plans. The bill clarifies the sales tax exemption for veterinary supplies and medication to include prescription medications, durable medical equipment and veterinary supplies. The bill also changes Vermont's corporate income tax apportioning methodology for intangible sales to market-based sourcing, from cost-of- performance).

#### **Fiscal Impact:**

**JFO estimates that this bill will generate an additional \$170,000 in Fiscal Year (FY) 2020 and in future fiscal years. This revenue is split between the following funds.**

- General Fund: \$190,000
- Education Fund: -\$20,000

In future fiscal years, the additional revenue for the General Fund is expected to grow to approximately \$910,000 when the apportionment changes, in the corporate income tax, are fully realized.

### **H-525 An act relating to miscellaneous agricultural subjects**

- Amends the eligibility provisions for farm-to-school grants to provide that organizations administering or assisting the development of farm-to-school programs are eligible for grant assistance from the Farm-to-School Program.
- Clarifies what constitutes good standing under the Agency of Agriculture enforcement authority for agricultural water quality requirements.
- Amends the time frame by which nutrient management plans shall be required to be completed by a certified nutrient management technical service provider.
- Establishes a Regenerative Farming; Vermont Environmental Stewardship Program at the Agency of Agriculture
- Establishes a State conservation reserve enhancement program and an ecosystems incentive program at the Agency of Agriculture
- Establishes an Agricultural Environmental Management Program
  - provides the farms of Vermont with State financial assistance to alternatively manage their farmstead, cropland, and pasture in a manner that will address identified water quality concerns
- Requires commercial slaughterhouses to maintain records and would authorize the Secretary of Agriculture, Food and Markets to access records at a commercial slaughterhouse
- Regulates raw milk when used as commercial feed/animals
- Changes the regulations for the sale of raw milk
  - Off-farm sale and delivery of raw milk (not required to have pre-sale at farmer's market)
  - New sign language required reading
    - "Consuming raw unpasteurized milk may cause illness, particularly in children, seniors, persons with weakened immune systems, and pregnant women."
- Seeds sold in Vermont containing genetically engineered
  - For agricultural seeds sold in Vermont, the manufacturer or processor distributing the seed in Vermont shall report annually on or before February 15 to the Secretary on forms supplied by the Secretary regarding the quantity of treated article seed and the quantity of untreated seed sold in Vermont during the previous calendar year
- Requires a Clean Water Audit that includes the assessment of the capacity of the Department of Environmental Conservation to effectively administer and enforce agricultural water quality requirements on farms in the State
- Provides the use of "pump out tanks" at fairs and other facilities that are not used more than 28 days in any calendar year
- Creates a Legislative Study Committee on Wetlands to clarify State wetlands statutes and permitting under the statutes.

- Creates the maximum fee, for the construction of any water quality improvement project in any Class II wetland or buffer, \$200.00 per application.
  - As used in this subdivision, "water quality improvement project" means projects specifically designed and implemented to reduce pollutant loading in accordance with the requirements of a Total Maximum Daily Load Implementation Plan or Water Quality Remediation Plan, or pursuant to a plan for reducing pollutant loading to a water-body.
- Creates Wetland Scientist Licensure Requirements

## **H-541 An act relating to changes that affect the revenue of the State**

### **Bill Summary**

This bill makes numerous changes to various state revenue sources. These include:

- Limiting the capital gains exclusion to \$350,000 in total capital gains exclusions. This would effectively limit the exclusion to capital gains of \$875,000 or less.
- Creating a new deduction for medical expenses within the personal income tax. Taxpayers could deduct any medical expenses beyond Vermont's standard deduction and personal exemptions. This deduction would be limited for entrance and monthly fees for continuing care retirement communities.
- Increasing the estate tax exclusion over two years. Beginning January 1, 2020, the estate tax exclusion rises from \$2.75 million to \$4.25 million. On January 1, 2021, the exclusion rises to \$5 million.
- Expanding the cap on the Affordable Housing Tax Credit and the First Time Homebuyer Tax Credit by \$125,000 each.
- Expanding the cap on the Downtown and Village Center Tax Credit program from \$2.4 million to \$2.6 million.
- Changing the definitions of "operator" and "rent" to include online travel agencies (OTAs) and their associated transaction fees or commission
- Expanding the tax base for the Property Transfer Tax and Clean Water Surcharge to include transfers of controlling interests in a property. This would include property transfers where a business or entity takes a majority ownership stake in a property without a title change.
- Making significant changes to the Land Gains Tax such that it would apply to a small number of land transfers. Only land subdivided by the transferor within six years prior to the sale or exchange would be subject to the tax. This section also exempts land transferred in a downtown development district, a village center, or new town center development.

### **Fiscal Impact**

This bill would generate an additional \$4.83 million in total State revenues in FY20. This revenue impact is spread across different funds:

- \$2.14 million in General Fund revenues.
- \$930,000 in Education Fund revenues.
- \$1.76 million in special fund revenues

## **H-542 An act relating to making appropriations for the support of government**



## **BUDGET SUMMARY**

### **Addresses Climate Change**

- The Legislature has made available approx. \$17M to Weatherization Programs with \$2.3M in the budget bill.
- The Budget adds \$2.9 million for EVs and charging stations; \$1.7M\* for Electric Vehicles and emissions incentive for low and moderate income individuals, adds funds for charging stations,
- Provides \$500K\* for acquisition and conservation of forestlands that are important for carbon absorption and provides a legacy for future generations of Vermonters.
- Extends the agreement between BGS and EVT for energy efficiency programs in State buildings.

### **Promotes Workforce and Economic Development**

- Adds \$7.4M, including \$5.8M base and \$1.6M\* one-time funds, for Childcare to support families and providers, including system investments\* and workforce incentive pilots\*.
- Reserves \$2M\* for economic development and \$1.54M\* of funding for broadband investments, both determined in concurrent bills.
- Restores \$1M to VHCB base funding.
- Funds a variety of forest and agriculture development programs including:
  - Grant writing assistance \$75K\*,
  - Working lands \$1M\* with half for the Dairy industry,
  - Farm-to-School \$50K,
  - VOREC \$100K\*,
  - Logger safety and value-added forest products \$120K\*.
- Vermont State Colleges supported with increase of \$2.5M in base and \$500K\* one-time funds, 2+2 scholarship \$18K, and \$200K\* associate degree pilot. Provides opportunities for students following alternative paths with Advancement Grants of 500K\* through VSAC and adds \$150K for DOL Summer Youth Employment Program.
- Adds \$100K\* micro-business development, \$5K\* for Arts Council, and \$25K\* for USS VT. Adds \$70K to provide services to New Americans through the Department of Labor.

### **Addresses the Needs of Children, Families, and Vulnerable Vermonters**

- Expands Medicaid dental coverage for adults beginning Jan. 1, 2020 to allow for two annual cleaning visits and a \$1,000 annual cap on dental services. \$1.08M total funding.
- \$1.4M investment in the child welfare system addresses caseload pressures including new social workers and other positions in addition to a rate increase for foster care.
- Adds \$1.3M for Parent Child Center master grant funding for the services they provide to young families.
- Mental Health: Provides \$1.5M (all funds) to place complex mental health patients in appropriate community placements, reducing the stress on hospitals.

Funds operation of 12 new acute beds at the Brattleboro Retreat to come online in late 2020. Funds statewide peer support program \$60K\*.

- Adds \$2.5M to provide a benefit increase in the Reach Up Program.
- Provides Families with a disabled parent an additional \$38 a month. Adds \$250K for nursing home residents to increase the personal needs allowance \$25 a month, starting Jan. 1, 2020.
- Maintains school support program for LGBTQ youth with \$60K and provides funding for the Ethnic and Social Equity and Campus Sexual Harm bills.
- Adds \$50K for fentanyl testing strips.
- Provides \$85K for Human Right Commission outreach position, \$89K for Deaf and Deaf/Blind services position, \$25K for VT Legal Aid caseloads, \$94,000 to address caseload pressures in public defense, and \$85K for Court Interpreters in the Judiciary.

### **Shores Up Critical Provider Systems**

- Provides a \$5.2M increase across entire system of mental health and developmental services and \$1.5M\* to begin the development of an electronic medical records system.
- Provides \$2.1M for a 2% increase for home and community service providers in the Choices for Care program. Adds funds for the SASH program to transition administration to the ACO as more Medicare lives are attributed.
- Provides \$375K\* to the Department of Mental Health for emergency room security in small hospitals.
- Funds \$445K for Court Diversion. Provides \$1M\* for infrastructure improvements at the Parent Child Centers with report language.
- Provides 5% increase for court security services
- Provides \$243K for a rate increase to local ambulance (EMS) service providers.

### **Maintains Basic Government Functions**

- Adds \$500K\* for statewide IT network upgrades and security investment through ADS.
- Adds \$948K\* to support known State match requirements for past emergencies, floods, etc.
- Adds \$50K\* Funds for mosquito control for total funding of \$135K.
- Funds Dual Enrollment program 50% from EF and 50% from the GF. Adjusts State-Placed Student line item to reflect funding needs in FY19 and FY20.
- Funds Retirement/OPEB obligations for State employees and teachers of approx. \$200M in general funds.

### **S-11 An act relating to limiting senatorial districts to a maximum of three members**

This bill was passed and signed by the Governor on April 9 of this year. The bill states that for the upcoming legislative reapportionment-which must occur during the 2021-2022 biennium-the Legislative Apportionment Board will be required to propose a Senate reapportionment plan with not more than three members in each Senate district, and the final Senate plan enacted by the General Assembly is to adhere to that three-member maximum.

**S-58 An act relating to the State hemp program**

This bill proposes to amend the requirements of the State hemp program to conform to federal requirements for the cultivation of hemp.

The Secretary shall establish and administer a State Hemp Program to regulate the growing, processing, testing, and marketing of industrial hemp and hemp products in the State.

**S-96 An act relating to the provision of water quality services**

The House and Senate voted overwhelmingly to support S-96 and now the bill will go to the Governor for his signature. This bill provides funding that includes

6% of the room and meals tax	\$8 million
Property transfer tax	\$6.1 million
Escheats (bottle redemption)	\$1 million

S-96 also provides a focus on water quality planning and targets. The bill reorganizes the way non-regulatory funding is distributed for clean water projects and also works to provide more "on the ground" decision making. Below is an outline of what S-96 contains.

**Water Quality Implementation Targets**

By not later than November 1, 2023, ANR shall adopt a schedule for implementing the requirements of this section in all other previously listed impaired waters not set forth in subdivision

**Quantification of Pollution Reduction; Clean Water Projects**

After listing a water as impaired, ANR shall publish a methodology for calculating pollution reduction values for a clean water project in that water. Pollution reduction values set by ANR are the exclusive method for determining a value.

**Clean Water Service Provider; Responsibility for Clean Water Projects**

- ANR shall adopt rules to assign a clean water service provider to each basin in the Lake Champlain and Memphremagog basins to achieve the pollutant reduction values established by ANR and maintain clean water projects
- ANR shall adopt guidance on a clean water service provider's obligations. At a minimum, the guidance shall address how the service provider prioritizes and selects projects, how to account for co-benefits, how to manage administrative costs, and maintenance of projects.

**Grant Programs**

Water Quality Restoration Formula Grant Program  
 Water Quality Enhancement Grant Program  
 Developed Lands Implementation Grant Program  
 Municipal Stormwater Assistance Grant Program

**Technical Assistance**

ANR shall give technical assistance, upon request, to persons who receive a grant or subgrant to implement a clean water project.

**Regional Planning Commission Authority**

Amends the enabling statute for regional planning commissions to provide that RPCs shall have the authority, if designated as a clean water service provider under 10 V.S.A. § 924, to provide for the identification, prioritization, development, construction, inspection, verification, operation, and maintenance of clean water projects in an assigned watershed basin.

**Clean Water Projects**

When selecting clean water projects, RPCs shall prioritize projects identified in the basin plan and shall consider the pollutant targets provided by ANR and the recommendations of the basin water quality council.

**Recommendations on Nutrient Credit Trading**

- On or before July 1, 2022, ANR shall submit to the General Assembly recommendations regarding implementation of a market-based mechanism that allows the purchase of water quality credits by water quality and other entities.
- The report shall include information on the cost to develop and manage any recommended program.

**Transition**

- Provides that until November 1, 2021, ANR shall implement the existing ecosystem restoration funding delivery program and shall not make substantial modifications to the manner in which that program has been implemented.
- Until the plan required by 10 V.S.A. § 923(d)(2) has been fully implemented, ANR shall provide additional weight to geographic areas of the State not receiving a grant pursuant to 10 V.S.A. § 925 when making funding decisions for Enhancement Grants.

**Land and Water Conservation Study**

Requires ANR to convene a Land and Water Conservation Study Stakeholder Group to develop a recommended framework for statewide land conservation. On or before January 15, 2020, the Secretary shall submit the Stakeholder Group's recommended framework for statewide land conservation to the General Assembly.

**Investment Report**

- Beginning January 2023, requires the annual Clean Water Investment Report to include a summary of the administration of the grant programs established under this bill.
- The report shall include a summary of whether the grant programs in S.96 adequately fund implementation of the Clean Water Initiative and whether the funding limits for Water Quality Enhancement Grants should be amended to improve implementation of the Clean Water Initiative.

**Report of Secretary of Administration**

**Water Quality Report of Farms**

On or before January 15, 2020, the Secretary of Administration, as the chair of the Clean Water Board, shall, after consultation with the Secretary of Natural Resources and the Secretary of Agriculture, Food and Markets, submit to the House Committees on Natural Resources, Fish, and Wildlife and on Agriculture and Forestry and the Senate Committees on Natural Resources and Energy and on Agriculture a report regarding the administration and funding of water quality projects on farms as part of the Clean Water Initiative.

**S-160 An act relating to agricultural development/H-525 An act relating to miscellaneous agricultural subjects**

- Creates a Soil Conservation Practice and Payment for Ecosystem Services Working Group
- Report on Stabilization and Revitalization of the Vermont Agricultural Industry
  - On or before January 15, 2020, the Secretary of Agriculture, Food and Markets, in consultation with the Vermont Farm-to-Plate Investment Program and industry stakeholders, shall submit to the Senate Committee on Agriculture and the House Committee on Agriculture and Forestry a report with recommendations for the stabilization, diversification, and revitalization of the agricultural industry in Vermont.
  - Dairy Marketing Assessment Report
    - On or before August 1, 2019, subject to available grants or other funding, the Secretary of Commerce and Community Development, in consultation with the Secretary of Agriculture, Food and Markets, shall contract with a qualified marketing consultant to conduct a marketing assessment of the viability of increasing the consumption of Vermont dairy products in major metropolitan markets in New England and the Northeast.
  - Clean Water Affinity Card
  - Vermont Forest Carbon Sequestration Working Group
  - Accident Prevention and Safety Training for Logging Contractors
  - Financial Assistance; Logger Safety; Master Logger Certification; Cost Share
  - Value-Added Forest Products; Financial Assistance
  - Repeal of Sunset of fee for pipelines in wetland

**OTHER BILLS THAT PASSED THIS SESSION**

**H-47** An act relating to the taxation of electronic cigarettes

**H-57** An act relating to weatherization, a Public Utility Commission proceeding, and unclaimed beverage container deposits

**H-63** An act relating to weatherization, a Public Utility Commission proceeding, and unclaimed beverage container deposits

**H-79** An act relating to eligibility for farm-to-school grant assistance

**H-205** An act relating to the regulation of neonicotinoid pesticides

**H-275** An act relating to the Farm-to-Plate Investment Program

**S-40** An act relating to testing and remediation of lead in the drinking water of schools and child care facilities

**S-55** An act relating to testing and remediation of lead in the drinking water of schools and child care facilities

**S-113** An act relating to testing and remediation of lead in the drinking water of schools and child care facilities

**S-169** An act relating to firearms procedures

## **SOME OF THE BILLS THAT DID NOT PASS THIS SESSION**

### **ACT 250 Conservation and development; land use; natural resources; Act 250 revisions**

The House Natural Resources committee spent many weeks taking testimony, redrafting, discussing but never could come to any resolve for changes of Act 250. The committee will be taking up where they have left off in January of 2020 with Act 250.

### **S-37 An act relating to medical monitoring**

This bill passed the Senate but ran out of time on the House side. It will be taken up in January.

### **S-23 An act relating to increasing the minimum wage**

The House had passed S-23 on a vote of 90-53 on May 15. The bill would have increased the minimum wage to \$15 by at least 2026. The bill:

- would increase the wage by 2.25 times the inflation rate each year, unless there is a recession or an economic downturn (the 2018 inflation rate was 2.4, the average inflation for the last 10 years is 1.55)
- includes a "pause button" in the event of a recession. If the sales and use tax and the projected general funds revenue drops by 2% at the same time, the rate of wage increase would return to current law - or at the rate of inflation.

The Senate made changes that House did not support and time ran out. This bill will be back in January.

### **H-107 An act relating to paid family and medical leave**

The Senate voted last week 19-10 to pass H-107 - the bill would be a .2% payroll tax, which will be split evenly between employers and employees and would provide up to 12 weeks for parental leave and up to six weeks of family care. As with minimum wage the House and Senate could not come to any agreement so the paid family leave will have to be looked at again in January.

### **H-81 An act relating to the definition and sale of milk**

This bill proposes to clarify the definition of "milk" to mean the pure lacteal secretion of hooved animals. A product sold as milk that does not conform to the definition of "milk" would be an adulterated product subject to penalty by the Secretary of Agriculture, Food and Markets. The House Ag committee did send a letter to Dr. Stephen Ostroff, Deputy Commissioner of Foods and Veterinary Medicine, U.S. Food and Drug Administration asking him to enforce the standards of identity for milk and dairy products as soon as possible.

**H-149 An act relating to the valuation of landlocked parcels**

LINK TO LEGISLATIVE WEBSITE

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Coming together is a beginning, keeping together is progress, staying together is success"

– Henry Ford

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Vermont Woodlands Association | (802) 747-7900 | [info@vermontwoodlands.org](mailto:info@vermontwoodlands.org) | [www.vermontwoodlands.org](http://www.vermontwoodlands.org) is a 501(c)(3) nonprofit corporation whose mission is to advocate for the management, sustainability, perpetuation, and enjoyment of forests through the practice of excellent forestry that employs highly integrated management practices that protect and enhance both the tangible and intangible values of forests - including clean air and water, forest products, wildlife habitat, biodiversity, recreation, scenic beauty, and other resources - for this and future generations. VWA objectives are to communicate the benefits of working forests, recognize exemplary actions of woodland owners and managers, provide educational opportunities, and to represent its membership before governmental bodies.

**Take Part in Our Story**



Vermont Woodlands Association, PO Box 6004, Rutland, VT 05702

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07/26/2019

## TOWN OF BRANDON Accounts Payable

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01:52 pm

Check Warrant Report # 63214 Prior FY Invoices

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All Invoices For Check Acct 01(10 General Fund) 07/29/2019 To 07/29/2019

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
100406	ADDISON INDEPENDENT	6/30/19 JUNE ADS	1450.00	0.00	1450.00	47051	07/29/19
200263	ALDRICH & ELLIOTT, PC	78474 Park St Stormwater	3165.00	0.00	3165.00	47052	07/29/19
200263	ALDRICH & ELLIOTT, PC	78483 Park St- Const Step 3	594.00	0.00	594.00	47053	07/29/19
200263	ALDRICH & ELLIOTT, PC	78506 WW Coll Sys 1272	7470.00	0.00	7470.00	47054	07/29/19
200218	BRANDON REPORTER	6-30-19 JUNE ADS	302.00	0.00	302.00	47061	07/29/19
100860	CARROLL, BOE & PELL P.C.	33007 Dinn Property	1060.00	0.00	1060.00	47063	07/29/19
100860	CARROLL, BOE & PELL P.C.	33008 miscellaneous	400.00	0.00	400.00	47063	07/29/19
100860	CARROLL, BOE & PELL P.C.	33009 Rollin Wood Estate prope	52.50	0.00	52.50	47063	07/29/19
100462	CASELLA WASTE MANAGEMENT INC.	2300948 June trucking of sludge	1404.00	0.00	1404.00	47064	07/29/19
300799	CHAMPLIN ASSOCIATES, INC.	1039 o-rings, gaskets	102.37	0.00	102.37	47066	07/29/19
310037	CONSOLIDATED COMMUNICATIONS	PD07/06/19 Service Jun 06 to Jul 05	45.43	0.00	45.43	47070	07/29/19
310927	DENNIS NEWTON ELECTRICAL INC	271843 clean/test heat pumps	1224.10	0.00	1224.10	47073	07/29/19
330422	FERGUSON WATERWORKS #590	0890614 barricade tape	96.00	0.00	96.00	47078	07/29/19
100650	GALLS LLC	OR13446244 shirts, nameplate, jacke	270.51	0.00	270.51	47083	07/29/19
310837	GLOBAL MONTELO GROUP	CL240762 gasoline	28.04	0.00	28.04	47085	07/29/19
310837	GLOBAL MONTELO GROUP	CL241735 gasoline	15.85	0.00	15.85	47085	07/29/19
310158	GREEN MOUNTAIN ELECTRIC SUPPLY	S3342427.001 fluorescent bulbs	242.17	0.00	242.17	47087	07/29/19
100725	GREEN MOUNTAIN GARAGE	137496 ratchets	21.01	0.00	21.01	47088	07/29/19
310233	GREEN MOUNTAIN POWER	2LITE7/19 WW 2ND LIGHT JUNE	24.17	0.00	24.17	47089	07/29/19
310233	GREEN MOUNTAIN POWER	BRYANT7/19 JUNE ELECTRIC	28.58	0.00	28.58	47089	07/29/19
310233	GREEN MOUNTAIN POWER	CHAMP7/19 JUNE ELECTRIC	127.80	0.00	127.80	47089	07/29/19
310233	GREEN MOUNTAIN POWER	CRESC7/19 CRESCENT PARK JUNE	48.28	0.00	48.28	47089	07/29/19
310233	GREEN MOUNTAIN POWER	GAZEB7/19 CENTER ST GAZ JUNE	28.24	0.00	28.24	47089	07/29/19
310233	GREEN MOUNTAIN POWER	NEWTON7/19 NEWTON PUMP FOR JUNE	177.08	0.00	177.08	47089	07/29/19
310233	GREEN MOUNTAIN POWER	RT73 7/19 RT 73 PUMP JUNE	49.90	0.00	49.90	47089	07/29/19
310233	GREEN MOUNTAIN POWER	STREET 7/19 STREET LIGHTS JUNE	2888.50	0.00	2888.50	47089	07/29/19
310233	GREEN MOUNTAIN POWER	UNION 7/19 UNION LIGHT/PARK	244.30	0.00	244.30	47089	07/29/19
100559	HACH COMPANY	11470975 swif test	118.93	0.00	118.93	47090	07/29/19
310934	HATCH, HERB	05292019 referee	134.00	0.00	134.00	47091	07/29/19
310745	JACOBS, JAKE	06282019 swim lessons	490.00	0.00	490.00	47096	07/29/19
310938	JOHN TURNER CONSULTING	1950002-01 Union St CI	188.20	0.00	188.20	47097	07/29/19
310941	LAUGHLIN, DUANE	07/26/19 umpiring	135.00	0.00	135.00	47099	07/29/19
310630	MASTERCARD	60618 business cards	50.27	0.00	50.27	47046	07/25/19
310630	MASTERCARD	60619 Lodging-Chief Conference	398.00	0.00	398.00	47046	07/25/19
310630	MASTERCARD	60620 11010 Battery	81.32	0.00	81.32	47046	07/25/19
310630	MASTERCARD	60623 USB hub, surge protector	65.98	0.00	65.98	47046	07/25/19
310630	MASTERCARD	60625 NCIC ESTO training- Burc	20.00	0.00	20.00	47046	07/25/19
310630	MASTERCARD	60626 winter duty jacket-Burch	209.99	0.00	209.99	47046	07/25/19
310630	MASTERCARD	60636 winter duty jacket	209.99	0.00	209.99	47101	07/29/19
310630	MASTERCARD	61200 LED string lights	159.98	0.00	159.98	47046	07/25/19
310630	MASTERCARD	61201 multi-purpose snow fence	139.92	0.00	139.92	47046	07/25/19
310630	MASTERCARD	61202 1st & 2nd place medals	133.84	0.00	133.84	47046	07/25/19
310630	MASTERCARD	61203 Rigid 18v combo kit	369.00	0.00	369.00	47046	07/25/19
310630	MASTERCARD	61204 Idol music download	8.99	0.00	8.99	47046	07/25/19
310051	MCFARLAND-JOHNSON, INC.	7 Churchill Bridge Enginee	17125.74	0.00	17125.74	47103	07/29/19
310847	MIDDLEBURY FENCE	91450 gate	380.51	0.00	380.51	47104	07/29/19
310602	MITCHELL, DAVID A.	07/23/19 umpiring FY 18/19	1395.00	0.00	1395.00	47105	07/29/19
310906	MODERN CLEANERS & TAILORS	503 uniform maintenance	88.25	0.00	88.25	47106	07/29/19
301052	PELKEY, JODI	07/03/19 refund of fee	35.00	0.00	35.00	47113	07/29/19
100478	ROYAL GROUP, INC.	658786 service call	64.50	0.00	64.50	47117	07/29/19



07/26/19  
01:52 pm

TOWN OF BRANDON Accounts Payable  
Check Warrant Report # 63214 Prior FY Invoices  
All Invoices For Check Acct 01(10 General Fund) 07/29/2019 To 07/29/2019

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Luanne

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
300375	RUTLAND CITY	24683SLUDG	May sludge processing	3000.00	0.00	3000.00	47118 07/29/19
300375	RUTLAND CITY	24707SLUDG	June sludge processing	4200.00	0.00	4200.00	47118 07/29/19
100005	RUTLAND COUNTY SOLID WASTE DIS	26100	JUNE SURCHARGE	791.81	0.00	791.81	47119 07/29/19
100005	RUTLAND COUNTY SOLID WASTE DIS	M2166	JUNE RECYCLING	326.20	0.00	326.20	47119 07/29/19
301026	WATCHGUARD VIDEO	0007833	body camera	910.00	0.00	910.00	47127 07/29/19
330427	WINNING IMAGE GRAPHIX	15275	t-shirts	397.10	0.00	397.10	47128 07/29/19
330427	WINNING IMAGE GRAPHIX	15287	banner	135.00	0.00	135.00	47128 07/29/19
Report Total			53,322.35	0.00	53,322.35		

Selectboard

To the Treasurer of TOWN OF BRANDON, We Hereby certify  
that there is due to the several persons whose names are  
listed hereon the sum against each name and that there  
are good and sufficient vouchers supporting the payments  
aggregating \$ \*\*\*\*53,322.35  
Let this be your order for the payments of these amounts.

07/26/19  
01:44 pm

TOWN OF BRANDON Accounts Payable  
Check Warrant Report # 63213 Current FY Invoices  
All Invoices For Check Acct 01(10 General Fund) 07/29/19 To 07/29/19

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Luanne

Vendor	Invoice Date	Invoice Description Invoice Number	Account	Amount Paid	Check Number	Check Date
310806	A-TEAM AUTO GLASS	07/23/19 chip repair on 2015 Ford 4443	10-5-14-41180 PD Vehicle Maintenance	80.00	47049	07/29/19
310184	ABANAKI INC	07/05/19 box trailer rental 11108	10-5-18-61050 Brandon Carnival	150.00	47050	07/29/19
100015	ALLEN ENGINEERING & CHEMI	07/08/19 chlorine 11151658501	20-5-55-50120 Sodium Hypochloride	478.50	47055	07/29/19
100900	BISHOP, CHARLOTTE	07/19/19 OVER PAID TAXES 0022-0028	10-2-00-02120 Anticipated Tax Credits	72.75	47056	07/29/19
100245	BRANDON AREA CHAMBER OF C	07/18/19 OMYA July 4th donation JUL2019	10-4-10-04320 Misc. Revenue	500.00	47057	07/29/19
310699	BRANDON GLC SOLAR, LLC	08/01/19 solar monthly electric 151	20-5-55-42130 Electric	1935.00	47058	07/29/19
310699	BRANDON GLC SOLAR, LLC	08/01/19 solar monthly electric 151	10-5-22-42130 Bldgs & Grounds Electric	2365.00	47058	07/29/19
100625	BRANDON INDEPENDENCE DAY	07/18/19 OMYA July 4th donation JULY2019	10-4-10-04320 Misc. Revenue	500.00	47059	07/29/19
100280	BRANDON LUMBER & MILLWORK	07/03/19 marking paint 764634/3	20-5-55-43160 Maint. Supplies - General	11.98	47060	07/29/19
100280	BRANDON LUMBER & MILLWORK	07/05/19 flagging tape, drill 764694/3	10-5-18-40120 Play Group/ Family Activi	22.73	47060	07/29/19
100280	BRANDON LUMBER & MILLWORK	07/08/19 2x4's, screws 764780/3	10-5-18-50060 Corn-Toss League	24.71	47060	07/29/19
100280	BRANDON LUMBER & MILLWORK	07/15/19 painting supplies 765008/3	10-5-18-30070 Little League Expenses	153.76	47060	07/29/19
100280	BRANDON LUMBER & MILLWORK	07/15/19 screws 765042/3	10-5-22-43080 Highway Bldg Maint	7.69	47060	07/29/19
100280	BRANDON LUMBER & MILLWORK	07/17/19 mailbox, numbers 765121/3	10-5-22-43080 Highway Bldg Maint	23.95	47060	07/29/19
100280	BRANDON LUMBER & MILLWORK	07/25/19 paint, brushes 765381/3	10-5-18-43120 Parks Maintenance	68.58	47060	07/29/19
300454	CAMP PRECAST CONCRETE PRO	07/11/19 catch basin, grate 41816	10-5-15-46130 Culverts	1640.00	47062	07/29/19
100860	CARROLL, BOE & PELL P.C.	07/18/19 Buyout FEMA-419 Newton Rd 7/19/19	56-5-06-20200 Newton Rd Flood-Legal	1630.25	47036	07/18/19
	attorney's fees					
100860	CARROLL, BOE & PELL P.C.	07/18/19 Buyout FEMA-419 Newton Rd 7/19/19 -1	56-5-06-20200 Newton Rd Flood-Legal	635.00	47037	07/18/19
	title insurance					
301503	CHAMPLAIN VALLEY FUELS	07/02/19 diesel fuel 243046	10-5-15-41130 Fuel - Vehicles HW	869.03	47065	07/29/19
301503	CHAMPLAIN VALLEY FUELS	07/02/19 gasoline 243273	10-5-14-41130 Fuel - Vehicles	491.59	47065	07/29/19
301503	CHAMPLAIN VALLEY FUELS	07/15/19 gasoline 243405	10-5-14-41130 Fuel - Vehicles	779.43	47065	07/29/19
301503	CHAMPLAIN VALLEY FUELS	07/17/19 diesel fuel 449647	10-5-15-41130 Fuel - Vehicles HW	691.50	47065	07/29/19
310097	COMCAST	07/19/19 T OFFICE FOR JULY 6-27-19 T/O	10-5-10-42100 Telephone Exp. Admin.	473.27	47067	07/29/19
310097	COMCAST	07/19/19 TOWN HALL FOR JULY 7-9-19THALL	10-5-22-43150 Town Hall Repair/Maint.	109.18	47068	07/29/19

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Vendor	Invoice Date	Invoice Description Invoice Number	Account	Amount Paid	Check Number	Check Date
310097	COMCAST	06/27/19 service 07/04 - 08/03 PD06/27/19	10-5-14-42100 PD Telephone Service	301.31	47069	07/29/19
310037	CONSOLIDATED COMMUNICATIO	07/19/19 HIGHWAY GARAGE JULY 7-6-19	10-5-15-42100 HW Telephone	83.84	47070	07/29/19
310177	COTT SYSTEMS, INC.	07/19/19 JULY HOST FEE 128710	10-5-13-30123 Records Preservation	233.00	47071	07/29/19
310300	CROSSWIND TECHNOLOGIES IN	07/01/19 Valcour annual user fee 386	10-5-14-30130 Service Contracts	1400.00	47072	07/29/19
300466	DUNDON PLUMBING & HEATING	07/10/19 portable toilet 49453	10-5-18-43120 Parks Maintenance	115.00	47074	07/29/19
300466	DUNDON PLUMBING & HEATING	07/11/19 portable toilet 49509	10-5-18-50090 Adult Activities	160.00	47074	07/29/19
100494	ENDYNE INC	07/03/19 testing 302517	20-5-55-22120 Testing	96.00	47075	07/29/19
100494	ENDYNE INC	07/11/19 testing 303116	20-5-55-22120 Testing	132.00	47075	07/29/19
100494	ENDYNE INC	07/17/19 testing 303602	20-5-55-22120 Testing	59.00	47075	07/29/19
100494	ENDYNE INC	07/19/19 testing 303941	20-5-55-22120 Testing	23.00	47075	07/29/19
100756	F W WEBB COMPANY	07/09/19 culvert 63652888	10-5-15-46130 Culverts	781.20	47076	07/29/19
300492	FASTENAL COMPANY	07/01/19 blades VTRUT98668	10-5-15-41110 New Equipment-Misc. Tools	120.79	47077	07/29/19
300187	FLORENCE CRUSHED STONE	07/20/19 dolomite 226985	10-5-15-46140 Gravel	697.56	47079	07/29/19
101011	FOLEY DISTRIBUTING, INC	07/05/19 paper towels, tissue 342631	10-5-22-43180 Maint. Supplies Bldgs.	337.94	47080	07/29/19
100925	FOLEY SERVICES INC	07/02/19 uniforms 1252056	20-5-55-10320 Clothing Allowance	21.73	47081	07/29/19
100925	FOLEY SERVICES INC	07/09/19 uniforms 1253404	20-5-55-10320 Clothing Allowance	21.73	47081	07/29/19
100925	FOLEY SERVICES INC	07/09/19 uniforms 1253405	10-5-15-10320 Clothing Allowance	26.99	47081	07/29/19
100645	G STONE MOTORS INC	07/09/19 repaired splice 55046	10-5-15-41180 HW Outside Maint. - Vehic	145.00	47082	07/29/19
300829	GARLAND'S AGWAY/GT OUTDOO	07/15/19 throttle cable 086080	10-5-15-41160 HW Maint. Supplies-Vehicl	26.73	47084	07/29/19
300974	GRAPH-X INCORPORATED	07/15/19 signs, helmet decals 4159	10-5-18-30070 Little League Expenses	50.00	47086	07/29/19
300974	GRAPH-X INCORPORATED	07/15/19 signs, helmet decals 4159	10-5-18-61050 Brandon Carnival	145.00	47086	07/29/19
300974	GRAPH-X INCORPORATED	07/18/19 t-shirts 4162	10-5-18-61050 Brandon Carnival	324.00	47086	07/29/19
100725	GREEN MOUNTAIN GARAGE	07/10/19 diesel can 138892	10-5-15-41160 HW Maint. Supplies-Vehicl	18.99	47088	07/29/19
100725	GREEN MOUNTAIN GARAGE	07/16/19 screws, locknuts 139161	10-5-15-44120 Roadside Mower- Maint	75.75	47088	07/29/19
100725	GREEN MOUNTAIN GARAGE	07/18/19 oil, diesel can 139255	10-5-15-41160 HW Maint. Supplies-Vehicl	18.99	47088	07/29/19

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Vendor	Invoice Date	Invoice Description Invoice Number	Account	Amount Paid	Check Number	Check Date
100725	GREEN MOUNTAIN GARAGE	07/18/19 oil, diesel can 139255	10-5-22-43120 Municipal Mowing	35.94	47088	07/29/19
100725	GREEN MOUNTAIN GARAGE	07/22/19 gas can and funnel 139362	10-5-22-43120 Municipal Mowing	67.18	47088	07/29/19
310937	HARRISON, MICHAEL & MELIS	07/18/19 Buyout FEMA-419 Newton Rd 7/19/19	56-5-06-20200 Newton Rd Flood-Legal	140483.92	47038	07/18/19
	net proceeds					
101028	HERITAGE FAMILY CREDIT UN	07/18/19 Buyout FEMA-419 Newton Rd 7/19/19	56-5-06-20200 Newton Rd Flood-Legal	29516.08	47039	07/18/19
	Harrison mortgage payoff.					
100900	HIBBARD, SUSAN	07/19/19 OVER PAID TAXES 20 MAPLE	10-2-00-02120 Anticipated Tax Credits	254.00	47092	07/29/19
300600	HOLLAND COMPANY INC	07/09/19 sodium bisulfite 18877	20-5-55-50140 Sodium Meta Bisulfite	1936.74	47093	07/29/19
310939	HUTCHINS, ALYSSA	07/23/19 refund - camp canceled 07/23/19	10-5-18-30060 Basket Ball Expense	75.00	47094	07/29/19
100811	INITIAL IDEAS	07/11/19 corn hole medals 51240	10-5-18-50090 Adult Activities	16.50	47095	07/29/19
310936	KARNAI, TYLER	07/08/19 cornhole boards 001	10-5-18-50090 Adult Activities	1600.00	47098	07/29/19
100588	MARKOWSKI EXCAVATING, INC	07/16/19 3/4 minus V-21100	10-5-15-46140 Gravel	1116.60	47100	07/29/19
310062	MCCULLOUGH BROS., INC.	07/19/19 tree services 07/19/19	10-5-15-44130 Tree Removal/Planting	5937.50	47102	07/29/19
301033	MOMAR, INCORPORATED	07/09/19 degreaser PSI296973	20-5-55-51310 Collection Systems	366.24	47107	07/29/19
310796	NATIONAL BUSINESS LEASING	07/06/19 lease: 7/1/19 - 07/31/19 64187994	10-5-10-30130 Service Contracts	102.00	47108	07/29/19
310795	NATIONAL BUSINESS TECHNOL	07/24/19 serv contract - printers IN316624	10-5-10-30130 Service Contracts	73.19	47109	07/29/19
310795	NATIONAL BUSINESS TECHNOL	07/24/19 serv contract copiers IN316625	10-5-10-30130 Service Contracts	120.65	47109	07/29/19
100788	NEW ENGLAND MUNICIPAL RES	07/01/19 Assessment - July 44127	47-5-10-10100 Professional Services	7550.00	47110	07/29/19
100910	NOBLE ACE HARDWARE RUTLAN	07/15/19 shovel, flagging tape 143190/1	10-5-15-41110 New Equipment-Misc. Tools	72.12	47111	07/29/19
310942	PATTERSON, TREVOR	07/23/19 mileage reimbursement 07/23/19	10-5-15-10310 Travel & Expenses	56.84	47112	07/29/19
310940	PIPER, JENNIFER	07/23/19 refund - price change 07/23/19	10-5-18-40090 Cheerleading	105.00	47114	07/29/19
100900	REYNOLDS, LISA	07/19/19 OVER PAID TAXES JULY 2019	10-2-00-02120 Anticipated Tax Credits	228.14	47115	07/29/19
310842	RHR SMITH & COMPANY	07/01/19 Audit 18/19- Field work 24141	10-5-10-22110 Auditors	2000.00	47116	07/29/19
300895	RUTLAND PRINTING COMPANY,	07/10/19 cornhole posters 00026614	46-5-50-70100 Seg 6 Marketing	386.30	47120	07/29/19
300264	SKI DOOR INC	07/18/19 door repair 26816	10-5-22-43090 PD Bldg Maint.	161.30	47121	07/29/19
310397	SOUTHWORTH-MILTON, INC.	07/11/19 lamp INV1671262	10-5-15-41160 HW Maint. Supplies-Vehicl	1.48	47122	07/29/19

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Vendor	Invoice Date	Invoice Description Invoice Number	Account	Amount Paid	Check Number	Check Date
310397	SOUTHWORTH-MILTON, INC.	07/11/19 keys INV1671884	10-5-15-41160 HW Maint. Supplies-Vehicl	11.76	47122	07/29/19
310935	T-QUIP SALES & RENTALS IN	07/02/19 rental of excavator 158817-R	10-5-15-20241 Equipment Rental	3200.00	47123	07/29/19
310897	THE GRIFF LLC	07/10/19 2/8/2020 performance FEB2020	10-5-18-50090 Adult Activities	1500.00	47124	07/29/19
100209	TOOLCRAFT, INC	07/01/19 floor saw rental 127401	10-5-15-20241 Equipment Rental	86.92	47125	07/29/19
330348	VERIZON WIRELESS	07/13/19 cells Jun 14 - Jul 13 9834106648	10-5-21-10310 Travel & Expenses	20.90	47126	07/29/19
330348	VERIZON WIRELESS	07/13/19 cells Jun 14 - Jul 13 9834106648	10-5-14-42100 PD Telephone Service	41.80	47126	07/29/19
330348	VERIZON WIRELESS	07/13/19 cells Jun 14 - Jul 13 9834106648	10-5-18-42100 Recreation Telephone	20.90	47126	07/29/19
330348	VERIZON WIRELESS	07/13/19 cells Jun 14 - Jul 13 9834106648	20-5-55-42100 Wastewater Telephone	41.80	47126	07/29/19
330348	VERIZON WIRELESS	07/13/19 cells Jun 14 - Jul 13 9834106648	10-5-15-42100 HW Telephone	99.79	47126	07/29/19
100386	VERMONT AGENCY OF TRANSP	07/18/19 2018 Codes&Standards book 7/18/19	10-5-15-10310 Travel & Expenses	12.52	47040	07/18/19
330427	WINNING IMAGE GRAPHIX	07/10/19 cornhole banners 15241	46-5-50-70100 Seg 6 Marketing	750.00	47128	07/29/19
330427	WINNING IMAGE GRAPHIX	07/10/19 baseball banner 15243	10-5-18-30070 Little League Expenses	175.00	47128	07/29/19
330427	WINNING IMAGE GRAPHIX	07/03/19 signs/banners 15245	46-5-50-70100 Seg 6 Marketing	350.00	47128	07/29/19
330427	WINNING IMAGE GRAPHIX	07/17/19 signs, screening 15344	10-5-18-50050 Language Lessons	1015.15	47128	07/29/19
330427	WINNING IMAGE GRAPHIX	07/17/19 signs, screening 15344	46-5-50-70100 Seg 6 Marketing	225.00	47128	07/29/19
310734	WRIGHT, COLLEEN	07/05/19 Awesome Afternoon-reimb. 7/5/19	10-5-18-60120 Summer Arts Camps	547.94	47129	07/29/19

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Vendor	Invoice Date	Invoice Description Invoice Number	Account	Amount Paid	Check Number	Check Date
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		Report Total		219491.65		
				=====		

Selectboard

To the Treasurer of TOWN OF BRANDON, We Hereby certify  
that there is due to the several persons whose names are  
listed hereon the sum against each name and that there  
are good and sufficient vouchers supporting the payments  
aggregating \$ \*\*\*219,491.65  
Let this be your order for the payments of these amounts.

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07/26/2019

## TOWN OF BRANDON Accounts Payable

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Check Warrant Report # 63211 Current Prior Next FY Invoices

Jacolyn

Manually Selected For Check Acct 99(10 General Fund) 07/29/2019 To 07/29/2019

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
310501	BURLETT, DARYL	MPM 6/19	MPM mileage to 6/2019	22011.00	0.00	22011.00	47035 07/16/19
300286	CASELLA CONSTRUCTION INC	PR43	Seg 6 PR 43	422346.52	0.00	422346.52	47034 07/09/19
300286	CASELLA CONSTRUCTION INC	PR44	S6 PR 44	483147.27	0.00	483147.27	47045 07/23/19
100456	DUBOIS & KING INC	619304	S6 CI Progress rpt # 53	95814.27	0.00	95814.27	47043 07/19/19
100456	DUBOIS & KING INC	719021	S6 CI Progress rpt # 54	48075.90	0.00	48075.90	47044 07/19/19
310760	FUSS & O'NEILL INC	213423	S6 Roadway Design	20007.67	0.00	20007.67	47048 07/26/19
Report Total			1,091,402.63	0.00	1,091,402.63		

Selectboard

To the Treasurer of TOWN OF BRANDON, We Hereby certify  
that there is due to the several persons whose names are  
listed hereon the sum against each name and that there  
are good and sufficient vouchers supporting the payments  
aggregating \$ \*1,091,402.63  
Let this be your order for the payments of these amounts.

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TOWN OF BRANDON Accounts Payable

Check Warrant Report # 63210 Current Prior Next FY Invoices

Manually Selected For Check Acct 99(10 General Fund) 07/29/19 To 07/29/19

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Jacelyn

Vendor	Invoice	Invoice Description	Purchase Amount	Discount Amount	Amount Paid	Check Number	Check Date
310818	ALPINE CONSTRUCTION, LLC	APP 20	B 114 App # 20	41723.39	0.00	41723.39	47041 07/19/19
310818	ALPINE CONSTRUCTION, LLC	APP 21	B114 App 21- final	56087.97	0.00	56087.97	47047 07/26/19
100456	DUBOIS & KING INC	619292	B114 CI Progress rpt # 2	6152.18	0.00	6152.18	47042 07/19/19
Report Total			103,963.54	0.00	103,963.54		

Selectboard

To the Treasurer of TOWN OF BRANDON, We Hereby certify  
that there is due to the several persons whose names are  
listed hereon the sum against each name and that there  
are good and sufficient vouchers supporting the payments  
aggregating \$ \*\*\*103,963.54  
Let this be your order for the payments of these amounts.

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**TOWN OF BRANDON  
SELECT BOARD  
NOTICE OF PUBLIC HEARINGS**

Monday, August 26, 2019 at 6:30 PM

and

Monday, September 23, 2019 at 6:30 PM

Brandon Town Hall Basement  
First Floor Conference Room

Notice is hereby given that the Town of Brandon Select Board will hold Public Hearings on the dates and times noted above to discuss and take public comments on the proposed **Brandon Enhanced Energy Plan**.

A full copy of the proposed Brandon Enhanced Energy Plan is available upon request and can be found at the Brandon Town Office and on the Brandon Town website.

Written and oral comments regarding the proposed Brandon Enhanced Energy Plan will be accepted at the public hearing. Brandon residents are encouraged to participate.

# Brandon Enhanced Energy Plan

*Submitted by the Brandon Town Energy Committee*

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  - b. Brandon Commercial Heating Energy Use
6. Electricity
  - a. Brandon kWh usage by year
7. Development and Siting of Renewable Energy Sources
8. Brandon Renewable Energy Targets
9. Brandon Planning Commission Criteria for Siting Renewable Energy
10. Mapping and Managing Resources
  - a. Known Constraints
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  - d. Primary Resource Areas
  - e. Secondary Resource Areas
  - f. Wind Resource Area
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  - j. Preferred Areas
  - k. Department of Public Service Preferred Areas
  - l. Grid Infrastructure
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  - a. Conservation and Efficient Use of Energy
  - b. Transportation
  - c. Land Use
12. Conclusion
13. Sources
14. Appendix (Form)

### Overview of Vermont Energy Goals

The State of Vermont has adopted a set of ambitious energy goals through statute and the Comprehensive Energy Plan (CEP), which was last updated in 2016. To help communities reach the sustainable energy future envisioned by the CEP, the state's central goals include:

- Meeting 90% of Vermont's total energy needs with renewable sources by 2050.
- Reducing greenhouse gas emissions by the following amount:
  - 40% reduction below GHG levels in 1990 by 2030, and
  - 80% to 95% reduction below 1990 levels by 2050.

### Overview of Brandon Energy Goals

- Decrease overall energy consumption through conservation and efficiency;
- Reduce reliance on fossil fuels and imported energy sources; and
- Develop renewable energy resources locally.

The purpose of the Brandon Enhanced Energy Plan is to conduct comprehensive energy planning at the local level while also achieving state energy goals – most importantly, the goal to have renewable energy sources meet 90% of the town's energy needs by 2050.

This in-depth energy planning helps ensure energy security for the Town of Brandon, while pursuing the economic opportunities inherent in conservation, energy efficiency and renewable energy initiatives, all the while protecting the beautiful environment in and around the town of Brandon.

Brandon recognizes that as conventional fuel resources dwindle, future resilience relies on lowering dependence on imported, non-renewable fuels, tapping local energy sources for enhanced self-reliance, and improving efficiency while maintaining a standard of living to which residents are accustomed.

A critical facet of improved efficiency will be a greater reliance on electricity to power everyday needs. Since electricity can be generated from renewable resources, and since electric-powered technologies such as heat pumps and electric vehicles are highly efficient, switching to electricity will help lower overall energy consumption while at the same time maintaining current lifestyles in Brandon.

According to the Vermont Comprehensive Energy Plan, growth in electricity consumption is expected to rise to 47% of all energy use by 2050. Though this major shift in energy use is substantial, there are opportunities to lower costs and bolster the local economy through a transformation of the energy sector, which currently costs Brandon more than \$21 million a year or \$4,273 per person each year (U.S. Energy Information Administration estimates).

Since nearly all this energy sector-related money flows out of Brandon and Vermont, redirecting expenditures for electricity, space and water heating and transportation to local energy businesses and employers will keep more wealth in the community.

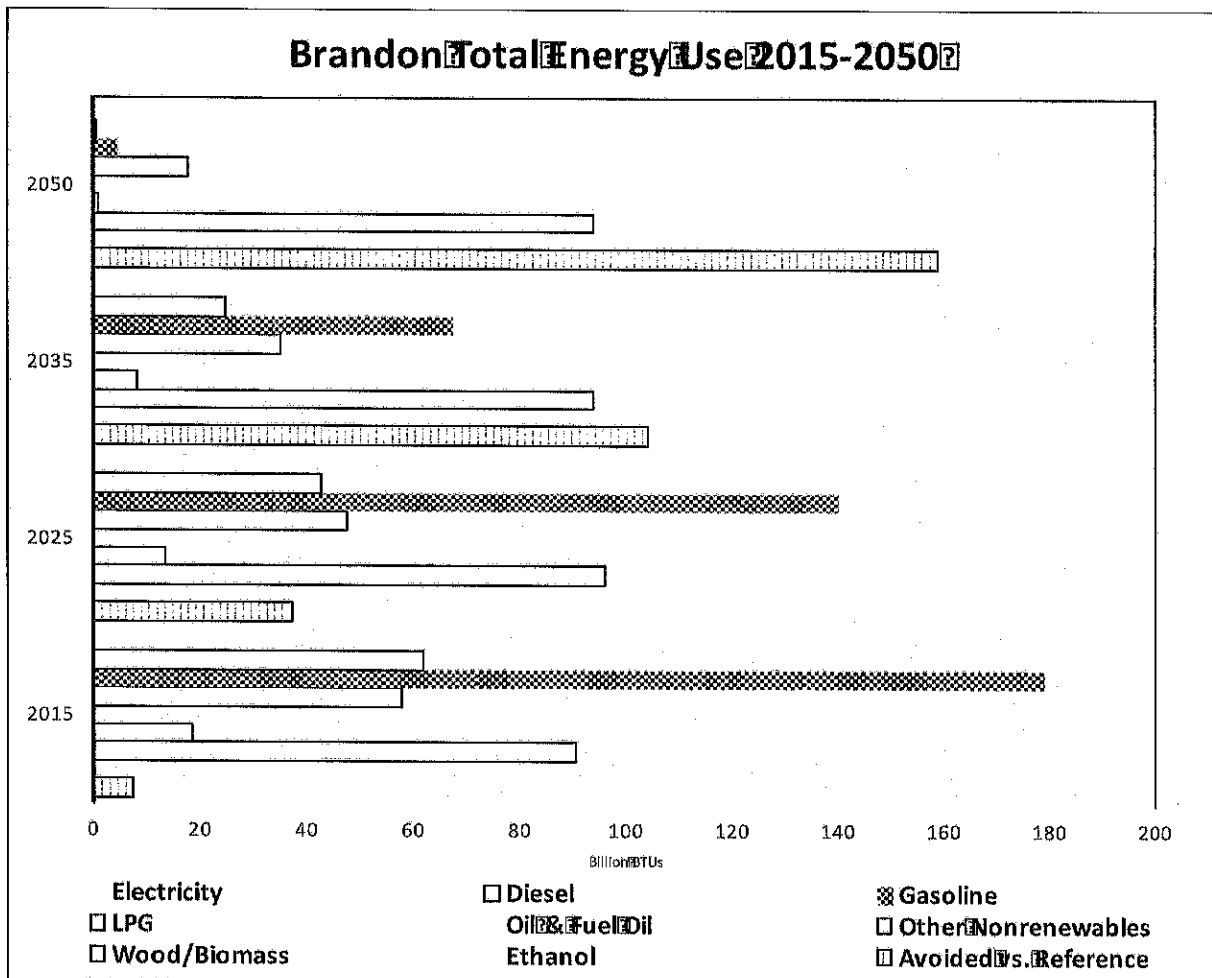
This energy plan is intended to provide the residents and local leadership of Brandon with the information and strategies needed to maintain a vibrant community in coming decades while the energy sector is transformed to better preserve the environment, lower energy costs, promote local renewable energy development, and enhance the town's self-reliance.

### Current and Future Energy Use

The Rutland Regional Planning Commission Energy Plan (2018) estimates current and future regional energy consumption using a computer modeling program known as LEAP (Long Range Energy Alternatives Planning System) that is used around the globe and was developed for Vermont by the Vermont Energy Investment Corporation. Brandon's estimates are based on these projections.

The Town of Brandon uses nearly 704 Billion BTUs (British Thermal Units) per year and should aim to reduce consumption to almost a third of that or 261 Billion BTUs by 2050. The LEAP chart below shows the Town of Brandon's current energy use and the energy trajectory that the Town of Brandon should aim to achieve by 2050.

The LEAP model (below) also provides the "avoidance" amount, or the difference between the "reference scenario" and the "90x50 VEIC scenario" in total energy demand. Looked at another way, this avoided energy indicates how much weatherization, conservation, and greater efficiency needs to occur if Brandon is to meet the targets set in the LEAP model.



Energy use can be grouped into three major sectors: 1) transportation, 2) heating and cooling, and 3) electricity. Brandon's 1,661 households and 86 commercial entities consume significant amounts of energy for transportation and to power equipment, heat space and water, and power lights and appliances with electricity.

Brandon could see significant savings in energy consumption and costs by adopting conservation strategies, replacing outdated appliances and switching to more efficient technologies, and participating in weatherization programs.

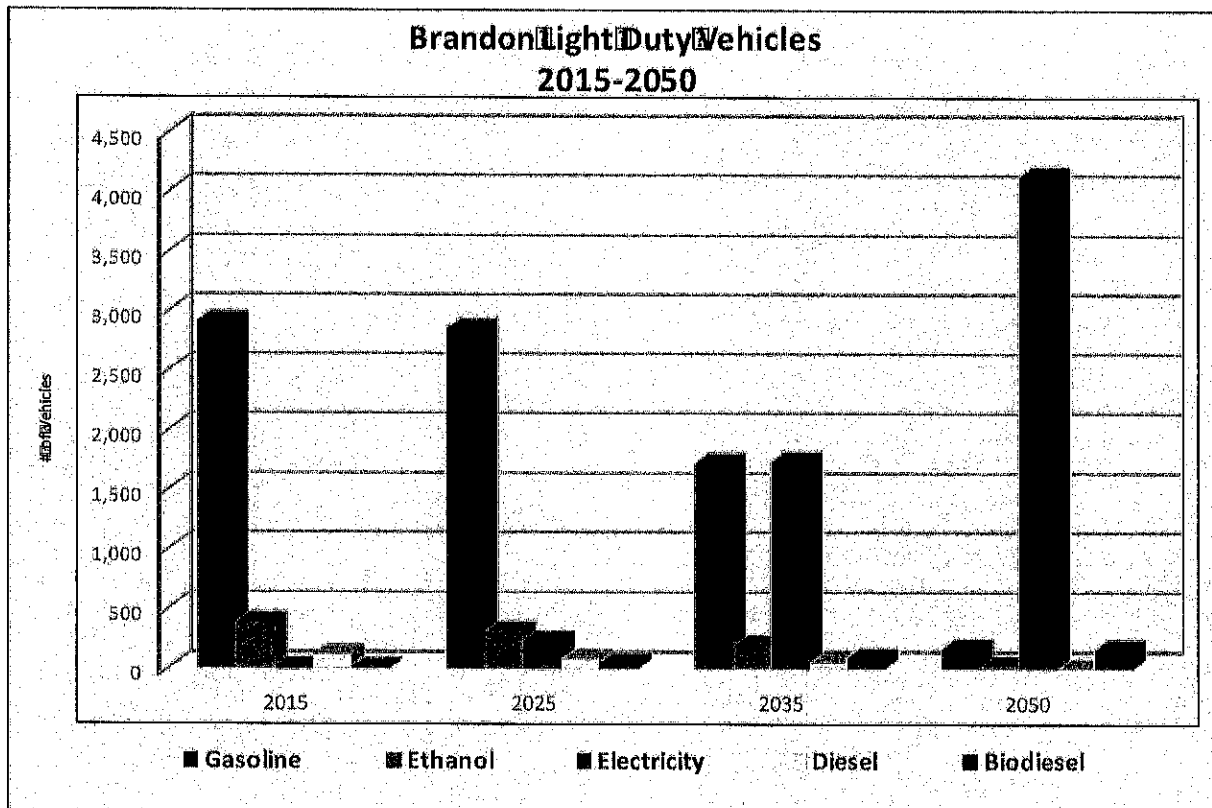
By looking at consumption in three categories within these sectors – light-duty transportation, residential and commercial heating, and electricity use – a clearer picture emerges about what impact Brandon can have on overall energy use and in meeting Vermont's energy goals.

### **Transportation Energy Use**

In Brandon, as in other municipalities in Vermont, transportation consumes the most energy of any sector. There are an estimated 2,813 light-duty vehicles in the town traveling 33.7 million miles a year - at a cost of more than \$4.2 million a year in gasoline alone. Of the 1,871 residents in the labor force, 1,511 (or 81%) drive to work alone.

In the next few decades, it's anticipated that total energy for transportation will fall gradually to about 35% of current levels for light-duty vehicles. The efficiencies of electrification and a switch to biodiesel will account for much of this reduction.

By 2050, electric and biodiesel vehicles are estimated to comprise 95% of the light-duty fleet in Brandon. It is expected that by 2050, there will be 4,135 electric and 166 biodiesel-powered light-duty vehicles in the town. By targeted year, this increase jumps dramatically from 9% of the fleet of light-duty vehicles in 2025 to 47% in 2035 to 95% in 2050.



Requiring more compact land use patterns is an excellent means for the town to reduce vehicle mileage and consumption of fuel. Brandon is committed to promoting multi-use land use (housing mixed with commercial) in future development. The town is also committed to reducing energy use in transportation and will lead by example by purchasing electric or biodiesel vehicles (when feasible), encouraging the use of public transit, offering more park-and-ride opportunities and installing EV charging stations.

### Residential and Commercial Energy Use

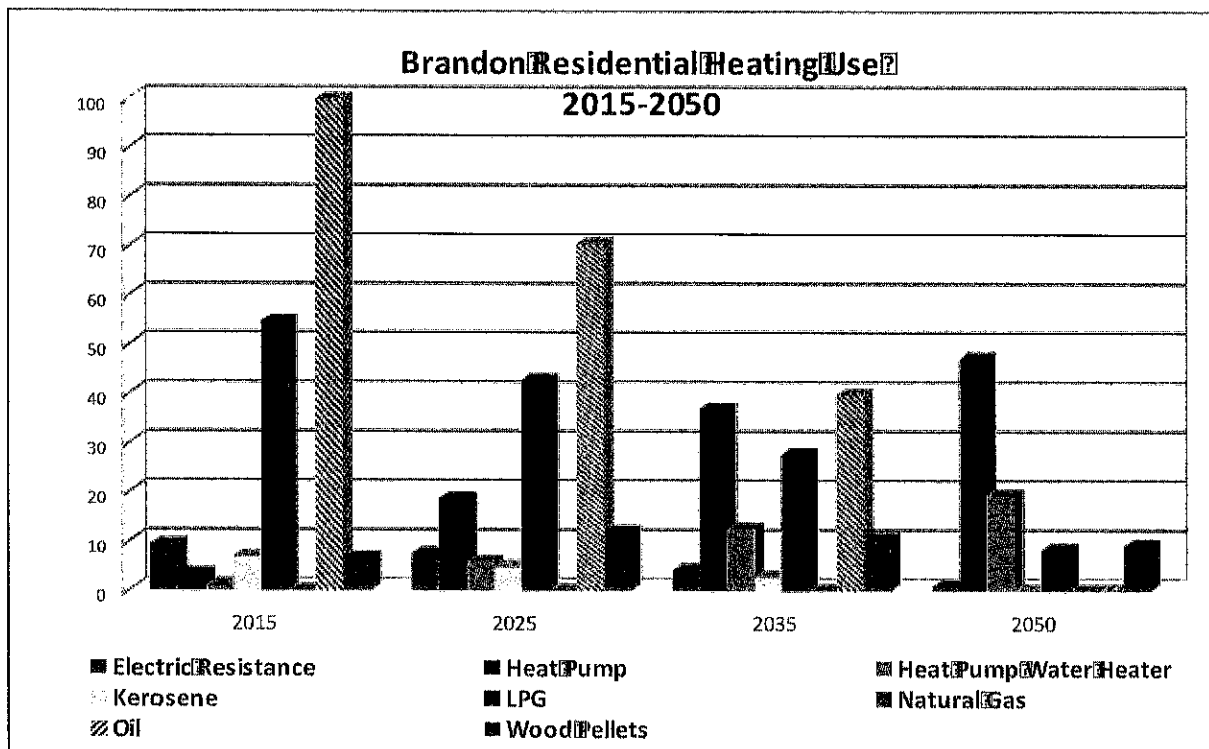
More than 81% of Brandon homes are heated with oil and other fossil fuels during the heating season. With the projected future shortage of fossil fuels, it will be in the town's best interest to become less reliant on these sources of heating fuel and switch to efficient heating systems powered by local resources.

### Brandon Residential Heating Energy Use (American Community Survey, US Census, 2011-2015)

Fuel	# of Households	% of Households	BTUs (in billions)
Natural Gas	33	2%	3
Propane	252	15.2%	22
Electricity	16	1%	1
Fuel Oil	1,053	63.4%	108

Coal	9	0.5%	1
Wood	269	16.2%	32
Solar	0	0%	0
Other	29	1.7%	3
No Fuel	0	0%	0
<b>Total</b>	<b>1,661</b>	<b>100.0%</b>	<b>171</b>

LEAP modeling shows how Brandon can make the transition to renewable energy sources for both residential and commercial structures through the increased use of bio-distillates and electricity. The use of fuel oil for heating drops precipitously in this modeling.



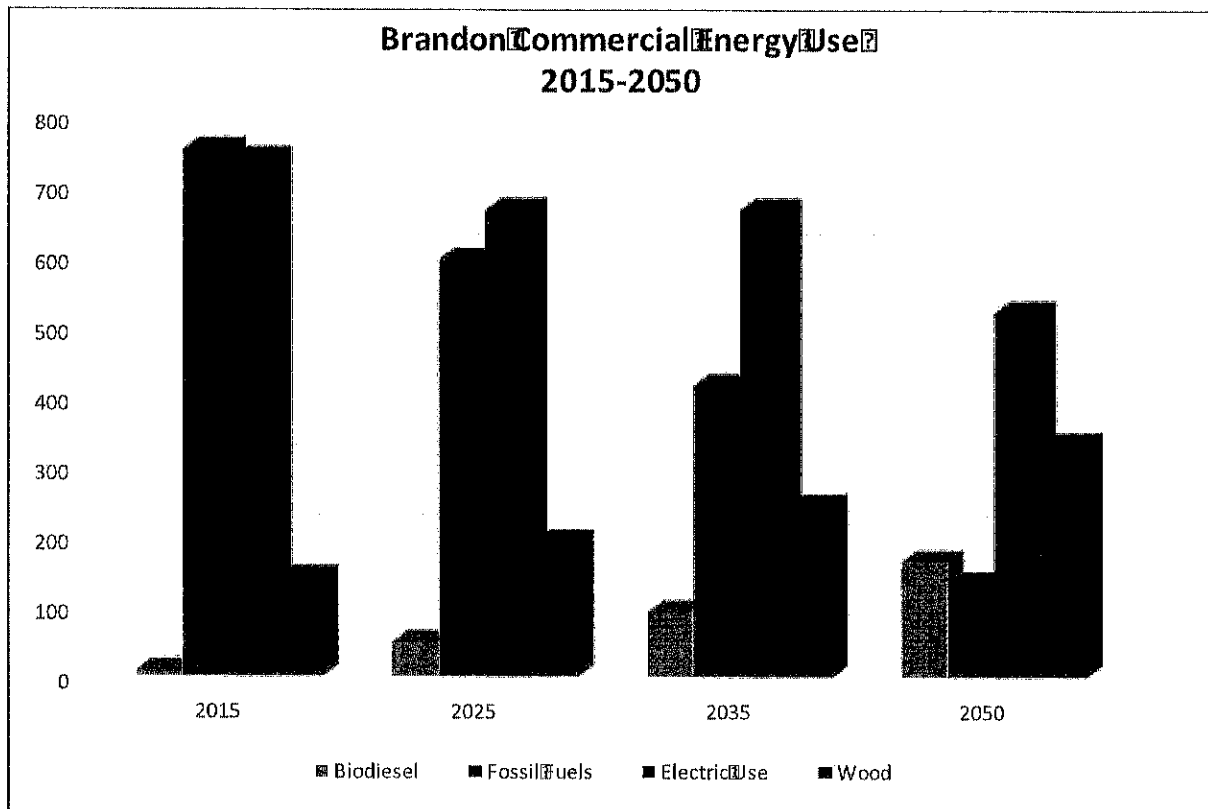
#### Residential Heating Goals

	2025	2035	2050
Renewable BTUs	98.4	113	118.3
Non-Renewable BTUs	118	70.3	8.4

#### Brandon Commercial Heating Energy Use

Currently there is an estimated 86 commercial establishments using 0.725 Billion BTUs of thermal energy each, for a total of 68 Billion BTUs a year in Brandon. Energy use is projected to decrease

39 Billion BTUs due to a decreased use of fossil fuels and a heavier reliance on more efficient renewable sources such as biodiesel. Due to efficiencies, overall energy use declines, but as a percentage of overall energy use, electricity increases by 2050.



By switching fuels and relying on efficient heat pumps systems for both residential and commercial, the town's target is 170 units by 2025; 444 by 2035; and 862 by 2050. Conversions to new efficient wood heat systems are projected to increase from 16 units in 2025; then decrease by -17 in 2035; and by -30 in 2050 for both residential and commercial uses.

The projected growth in the percentage of heating energy use coming from renewable sources is sharp: rising from 52% in 2025 to 92% in 2050.

Brandon is committed to meeting its residential and commercial thermal targets through increased efficiency and conservation. The percentage of Brandon households that will need to be weatherized between now and 2050 to meet the state's goals is: 14% by 2025; 39% by 2035; and 85% by 2050. For commercial structures, weatherization targets are 29% by 2025; 47% by 2035; and 84% by 2050.

## Electricity

Electricity, produced mostly by more expensive fossil fuel, is the third major sector of energy use so reducing usage and converting to renewable sources is critical to meeting the state's energy goals. Although electricity use will increase dramatically in the future since it is a conduit for making local renewable energy sources available for use, widespread adoption of efficient



appliances, vehicles and thermal technologies powered by electricity is critical to achieving the state's energy goals for efficiency.

#### Brandon kWh Usage by Year (Efficiency Vermont)

Sector	2014	2015	2016
Commercial & Industrial	10,251,390	10,830,470	10,235,545
Residential	12,179,211	12,929,098	12,808,455
<b>Total</b>	<b>22,430,601</b>	<b>23,759,568</b>	<b>23,044,000</b>
Average Residential Usage	6,666	7,057	6,988

Data show that overall electrical use in Brandon is affected by electric efficiencies. Figures from Efficiency Vermont indicate that the town is seeing dramatic electric savings from efficiency measures, particularly in the commercial and industrial sectors. For instance, from 2014 to 2016, the commercial and industrial sectors went from saving 148,495 kWh to saving 1,033,048 kWh a year.

Further electricity efficiency savings are included in the LEAP modeling. The town's targets are 12.1% by 2025; 39% by 2035; and 69.8% by 2050. The MWh targets for the use of renewable sources for this electricity are 1,585 in 2025; 4,742 in 2035; and 14,369 in 2050.

Brandon is committed to energy conservation and will take advantage of Efficiency Vermont initiatives to upgrade the insulation of home and buildings to reduce heating and cooling energy consumption. The town also will lead by example by ensuring all municipal buildings, including the Town Office, fire stations, town garage, and schools, are audited for energy use and upgraded.

#### Development and Siting of Renewable Energy Sources

Renewable Type	MW	MWh
Solar	2.86	3414.3
Wind	0	0
Hydro	0	0
Biomass	0	0
Other	0	0
<b>Total Existing Generation</b>	<b>2.86</b>	<b>3414.3</b>

As of January 2019, Brandon has 2.86 MW of total renewable energy generation. The data in this table are based on information available from the Vermont Department of Public Service and the Vermont Community Energy Dashboard. The town currently has 100 solar sites and two biomass sites which includes Otter Valley Union High School and Neshobe School's wood pellet heating.

This chart below is the estimated renewable energy generation potential for the town. These data were based on mapping completed by the Rutland Regional Planning Commission (RRPC), which was based on the Municipal Determination Standards and associated guidance documents developed by the Vermont Department of Public Service.

<b>Renewable Type</b>	<b>MW</b>	<b>MWh</b>
Rooftop Solar	4	5,131
Ground-Mounted Solar	860	1,054,551
Wind (small scale)	784	1,567,420
Hydro	0	0
Biomass & Methane	0	0
Other	0	0
<b>Total Renewable Generation Potential</b>	<b>1,648</b>	<b>2,627,102</b>

RRPC has suggested the following targets (in MWh) for Brandon for total renewable energy generation to meet the state's 90x50 renewables goal. The target of 14,369 MWh by 2050 is a fraction of the town's generation potential of 2,627,102 MWh. The Brandon Energy Committee recognizes that the Town of Brandon is well on its way to meeting its 2050 target and has already met the 2025 target and pledges to continue this pace in order to meet or exceed the 2050 target.

#### **Brandon Renewable Energy Targets (MWh)**

<b>2025</b>	<b>2035</b>	<b>2050</b>
1,585	4,742	14,369

According to estimates by the RRPC, Brandon has sufficient land to reach 2050 targets for solar and wind based on the renewable generation potential in the town. For solar alone, there are 793.7 acres of prime solar which equates to 128,960 MWh of generation potential ( $793.7 \times 8 = 99.2 \times 1,300 = 128,960$ ).

The potential for energy generation is more than enough to meet the town's target (above). Even though Brandon has 3,134.85 acres identified as wind resources, much of that along ridgelines, developing these lands will not be needed to meet generation targets.

Brandon is maximizing its potential for renewable energy generation by identifying preferred areas for solar energy generation as well as adding more potential sites on impervious surfaces such as rooftops. The town is leading by example by already installing solar panels on its school rooftop and it is considering the addition of solar panels on other municipally-owned sites.

The Brandon Enhanced Energy Plan allows for the siting of all types of renewable generation technologies, wind, solar, hydro and biomass energy generation, but not necessarily all scales of a given technology.

The town is certain that, if applied regionally, this is a fair and equitable approach that follows town and state priorities and still allows for sufficient land area to meet the town's and Vermont's energy targets and goals.

### **Brandon Planning Commission Criteria for Siting Renewable Energy**

Below is the Town of Brandon's Planning Commission's process for reviewing potential large-scale solar and other renewable energy generation projects within Brandon, and further, how the Town plans influence state regulatory proceedings:

- Act 250 applications must conform to the municipal plan.
- Applications for a Section 248 Certificate of Public Good must give due consideration to the municipal plan; with an enhanced energy plan considered compliant, it has substantial deference.

For uniformity, Brandon adopts these standards used by the State of Vermont for system classifications and supports the RES standards developed by the State as well as other statutory requirements and Comprehensive Energy Plan (CEP) goals for emissions reduction and renewable generation:

- State goal of having 90% of all energy use -- transportation, thermal and electricity -- come from renewables by the year 2050.
- The RES for Vermont utilities requiring that 75% of electricity sold in Vermont in 2032 be obtained from renewables.
- State and local and property tax statutes.
- 15 kW or less as the definition of small residential systems.
- Access requirement to firefighters and other emergency responders.

Furthermore, every renewable energy project larger than 15 kW shall include a proposed site plan, a statement of compliance with all known and possible constraints, a project budget and scope, a qualified assessment by an energy professional as to the viability of the project, an action plan and a guaranteed funding source for decommissioning to ensure the site is safe, stable and free of structures and hazardous materials.

The following questionnaire will be sent to companies considering construction of renewable energy projects in/around the Town of Brandon (see appendix for proper form).

#### **1. Owner information**

A. Owner intends to construct a \_\_\_ kW (sites >15kW need to fill out the form below; the form is not necessary for sites <15kW) at the following address or legal description (system site):

B. This site is on (circle one):

- Public Land
- Private land

C. Is this a residential or commercial installation?

D. This site does or does not require local permits or improvements in public roads/infrastructure improvements to access/operate the installation? If yes, please describe.

- E. Has owner secured rights to use the above-mentioned site?
- F. Please describe what benefits this project would bring to the Brandon community.
- G. This installation will be (circle one):
  - net metered
  - grid tied
- H. If net metered who will be receiving the generation credits?
- I. If this is a secure or restricted access site, how will security be handled? Will emergency personnel be able to access this site?
- J. Who owns the RECs (Renewable Energy Credits)? Will the RECs be sold?

The Town of Brandon has identified a list of preferred sites below that offer potential renewable energy investments in areas that avoid the known and possible constraints. This list is a proactive approach to help make investments in the district and enable Brandon to meet the local and state goals of renewable energy generation by 2050. The town has made investments in utilities to support residential and higher density population areas. A commercial project that would not make use of those utility services would limit the town's ability to recover utility investments.

## 2. Known and Possible Constraints

A. There are state and regional constraints on locating renewable energy installations. Please indicate if this site does or does not conflict with these known or possible constraints.

1. *Known Constraints: vernal pools; DEC river Corridors; FEMA floodways; State-significant Natural Communities and Rare, Threatened and Endangered species areas; National Wilderness Areas; Class 1 and Class 2 wetlands.*
2. *Possible Constraints: Agricultural soils; FEMA Special Flood Hazard Areas; Protected lands (state fee lands and private conservation lands); Act 250 Agricultural Soil Mitigation Areas; Deer wintering areas; ANR's Vermont Conservation Design Highest Priority Forest Blocks; Hydric soils.*

B. The Town of Brandon has preferences based on the above-mentioned list. Please include a site plan that shows location of renewable energy project in relation to the parcel boundaries, the converters and necessary power infrastructure to access the grid from this location. Indicate what utilities or services would be required by the City.

Brandon infrastructure and population density plans strive to concentrate residential growth to limit the impact of service infrastructure required. Any commercial proposals within these targeted population centers would need to be weighed against the future use of these spaces for population and municipal needs. Project will need to follow existing zoning procedures and practices.

## 3. Project details

- A. Type of generation:
- B. Expected kW/kWh annual generation:
- C. Is this a project that might be done in phases?
- D. Are there any other phases planned for this site in the future?
- E. Zoning variance required?
- F. If located on public land, are public approvals required?

G. Expected construction start date:

H. Expected completion date:

I. Expected site maintenance plan:

J. Town of Brandon project timeline:

- Completed review by developer and town manager and planning commission
- Pre-construction site visit
- Final visit after PUC certificate of good issued and review of scope of project changes
- Midpoint construction visit
- Final preoperational visit
- Annual operational visits (to ensure best possible service to investors, the Town of Brandon will request economic and energy updates from the company on an annual basis)

#### 4. References and Tools:

- The Vermont Community Energy Dashboard: <https://www.vtenergydashboard.org/>
- VT Energy Dashboard (Brandon's baseline): <https://www.vtenergydashboard.org/my-community/brandon/progress>
- The Renewable Energy Atlas: <https://www.vtenergydashboard.org/energy-atlas>. This is a helpful tool for communities and people interested in exploring and identifying energy projects, known or possible constraints, and sites best suited for renewable energy deployment. Search for Brandon and find the energy resources deployed and select Layers on the right-hand side of the Atlas to see the Act 174 constraints.
- Vermont energy committees network: <https://vecan.net/>

### Mapping and Managing Resources

#### Known Constraints

*High priority constraints that limit where energy can be generated.*

Energy generation facilities are not very likely to be developed in Known Constraints areas due to the presence of natural resources that are regulated at the federal, state or local level. Accordingly, these constraints have been removed from the raw resource potential mapping layers. Site-specific study, by the town manager and the town planning commission, is required to ascertain whether one of the mapped constraints truly exists on the site and some sites not captured by the Known Constraints mapping may have such high-priority constraints, depending on the results of site-specific study. The maps are good indicators, but not definitive siting tools. Included:

- Vernal Pools
- DEC River Corridors
- FEMA Floodways
- State-significant Natural Communities and Rare, Threatened, and Endangered Species
- National Wilderness Areas
- Class 1 and Class 2 Wetlands

#### Possible Constraints

*Lower priority constraints that may limit where energy can be generated.*

Possible constraints can impact the siting process for generation facilities and should always be considered in planning for these facilities, but do not necessarily preclude placement in corresponding areas. Site-specific solutions are often possible when one of these conditions exists. Site-specific study, by the town manager and town planning commission, is required to ascertain whether one of the mapped constraints truly exists on the site and some sites not captured by the Possible Constraints mapping may have such lower priority constraints, depending on the results of site-specific study. The maps are good indicators, but not definitive siting tools. Included but not limited to:

- Agricultural soils (prime farmland, additional farmland of statewide importance, and additional farmland of local importance)
- FEMA Special Flood Hazard Areas
- Protected Lands (State fee lands and private conservation lands)
- Act 250 Agricultural Soil Mitigation Areas
- Deer Wintering Areas
- ANR's Vermont Conservation Design Highest Priority Forest Blocks (Habitat Blocks 9 & 10)
- Hydric Soils

**Local Constraints (see map below)**

*Areas where Brandon discourages renewable energy generation.*

In addition to the known and possible state/regional constraints mentioned above, see Brandon Town Plan (see *Natural Resources* section on pages 47-48), which includes a statement of policies on the preservation of rare and irreplaceable natural areas.

The Town of Brandon has an abundance and variety of valuable natural resources. The environment has played an important role in shaping Brandon's image and provides a continuing public and economic benefit to the community. Economic activities dependent on natural resources, including agriculture and forestry, are described in the Town Plan with policies related to their use and conservation.

In 2019, the Town of Brandon will undertake a community-wide viewshed analysis, to determine which scenic resources it's keen to protect from development. Once that list of scenic resources is generated and included as an appendix to this plan, all proposed renewable energy generation development in these scenic resource areas shall have site specific aesthetic impact analyses completed by a certified landscape professional and paid for by the developer.

Site specific aesthetic analyses will determine whether a proposed generation project will have an undue adverse effect on aesthetics, historic sites, air and water quality, the natural environment, the use of natural resources, and public health and safety.

The Town of Brandon desires to protect its most important landscapes (to be identified as scenic resources or "viewsheds" and eventually listed in its Municipal Plan). In the meantime, all proposed projects, as with other non-energy generation land use, should have a comparable or less of a negative impact on Brandon's pastoral and scenic views of mountains, ridges, and valleys.

**Prime Resource Areas**

*Areas with high resource potential and no identified constraints (Known or Possible).*

**Secondary Resource Areas**

*Areas with high resource potential and no Known Constraints, but where at least one Possible Constraint exists.*

**Wind Resource Area (see map below)**

*Areas where there is likely to be sufficient wind at specified heights for utility scale wind energy development.*

The analysis used digital wind speed at various heights (30, 50, and 70 meters) and identified areas with the highest wind speeds at each of those heights. The mapping also considers various other conditions, such as ecological zones that may impact the feasibility of renewable energy development. These conditions are known as constraints. The strongest wind resources are generally located at higher elevations and that is where the state's utility-scale installations are located. But Vermont does have nearly 200 small-scale wind projects ranging from 0.95 kW to 100 kW of generating capacity.

Brandon has decided not to include utility scale wind (greater than 1 MW) in its renewable energy generation targets. Instead of looking at the areas identified on the wind resource map, the town envisions residential scale and commercial scale turbines or windmills in areas throughout Brandon.

This scale of wind generation is referred to as Distributed Wind. Small Distributed Wind turbines can range from 1kW to 100kW (located at homes and farms). Medium turbines range from 101kW to 1MW (at manufacturing plants, schools or other institutions).

Due to anticipated technological advances, small and medium scale wind generation is projected to be feasible throughout most of the town at lower elevations in coming decades.

Brandon is not saying "no" to wind generation. Instead, following town land use policy, it would be most appropriate if small scale and commercial systems were encouraged at low elevations and on towers preferably not to exceed 150 feet in height since most of the identified wind resources are in residential areas of the town.

**Solar Resource Area (see map below)**

*Areas where there is likely to be sufficient solar radiation for solar energy development (solar photovoltaic or PV).*

Brandon is projected to meet its renewable energy generation target with mostly non-utility and non-Standard Offer Program scale solar ( $\leq 500$  kW). Because of the rapid pace of technological advances in the field of PV solar, it is expected that residential, commercial and industrial scale projects will dominate the region's solar generation by 2050.

The GIS-based analysis factored in direction, slope and location of land to mapped areas with high solar radiation potential. Certain areas where development was not possible – such as rivers and roads – were removed. The mapping also considers various other conditions, such as ecological zones that may impact the feasibility of renewable energy development. These conditions are known as constraints. The Town encourages the following when considering solar:

**Community Solar:** Community solar is a solar PV generation system that provides electricity, net metering, and return on investment to multiple participants. A community solar project—referred to as a solar farm, garden or shared renewable energy plant—is a solar power plant whose electricity is shared by more than one household. Participants subscribe to a portion of the energy produced in the community solar project, along with other residents (or investors). It could be a viable option for some of Brandon's neighborhoods and businesses.

**Screening for Solar:** Screening can be natural vegetation and helps block solar arrays from roadside viewing. To keep wildlife corridors open, fencing is not always required. There is precedent in Vermont for non-fenced solar arrays; the posts supporting solar panels are specially protected so that they're not safety hazards.

**Setbacks for Solar:** Brandon endorses the minimum setbacks required for ground-mounted solar generation facilities as enumerated in 30 VSA §248(s). See below:

Minimum Setbacks for Solar	
From a state or municipal highway	100 feet for capacity exceeding 150 kW; 40 feet for capacity between 15 and 150 kW
From each property boundary that is not a state or municipal highway	50 feet for capacity exceeding 150 kW; 25 feet for capacity between 15 and 150 kW

**Impervious Services for Solar:** Solar generation facilities of a capacity less than 150 kW are highly encouraged throughout the town, especially on residential and commercial rooftops. Using the analysis provided in the Vermont Department of Public Service Guidance (2017), the 665.12 acres of impervious surface within one mile of existing 3-Phase power lines, can provide more than 83 MW of energy (552.8/ 8 acres per MW = 83.14 MW). The mapping analysis showed that there are 801 acres of impervious surfaces in the town not including residential rooftops. This should be more than enough area to accommodate small scale solar and meet the town's renewable energy generation target. If the town were to rely only on solar energy generation (just one scenario), it would need just 11.72 MW to meet its municipal renewable generation goal (11.72 MW = 14,369 MWh). As much as 3.3 MW of solar energy that could be generated on residential rooftops: (1,661 homes / 25%) x 4 kW) using a methodology developed by the Bennington Regional Planning Commission.

### **Hydro Resource Area (see map below)**

*Areas where there is likely to be capacity to accommodate hydroelectric energy development.*

The mapping shows areas of potential electricity generation from hydro; locations where renewable energy generation would likely be most feasible according to the natural conditions of an area. Existing, powered and existing non-powered dam sites where a generator could be installed or existing hydropower sites where equipment could be upgraded or expanded to provide additional generation (with potential production) were mapped.

The mapping also considers various other conditions, such as ecological zones that may impact the feasibility of renewable energy development. These conditions are known as constraints.



It is important to note that there is considerable time and expense involved with permitting hydropower projects, which are reviewed at the federal level.

**Biomass Resource Area (see map below)**

*Areas where there is likely to be sufficient biomass resources for biomass energy development.*

The mapping shows areas of potential electricity generation from biomass totaling 3,918 acres of prime and secondary biomass resource - locations with high woody biomass potential and where renewable energy generation would likely be most feasible according to the natural conditions of an area.

The mapping also considers various other conditions, such as ecological zones that may impact the feasibility of renewable energy development. These conditions are identified as Known and Possible Constraints in the maps' legends.

**Preferred Areas (see map below)**

*Areas where Brandon encourages solar energy generation.*

As mentioned earlier in this plan, solar generation facilities with a capacity of less than 150 kW are highly encouraged throughout Brandon, especially on residential and commercial rooftops. The town also has selected the following preferred areas for the potential use as utility and Standard Offer Program scale solar ( $\geq 500$  kW):

Parcel ID	Grand List ID	Total Acres
06-01-08.01	0079-2085	21.52 acres
04-01-19	0101-0182	12.28 acres
02-01-16	0001-0520	42.82 acres
Totals:		<b>76.62 acres</b>

This acreage, plus the 2.8 MW of solar already installed in Brandon, gives the town the potential of 16,120 MWh of renewable energy, which is more than its target of 14,369 MWh. It also does not include several large commercial solar developments that are being proposed in the town which would add to the total of MWh.

**Department of Public Service Preferred Areas**

Where applicable, parcels containing any of these state-preferred areas for renewable energy generation:

- roof-mounted systems
- former brownfield sites
- disturbed areas such as gravel or sand pits
- sealed and sanitary landfills and former quarries and mineral extraction sites

- junk yards
- parking lots
- parking lot canopies over paved parking lots
- previously developed sites
- brownfields and Superfund sites
- areas adjacent to large-scale commercial or industrial buildings
- areas where topographical features or vegetation naturally screen a site from common view

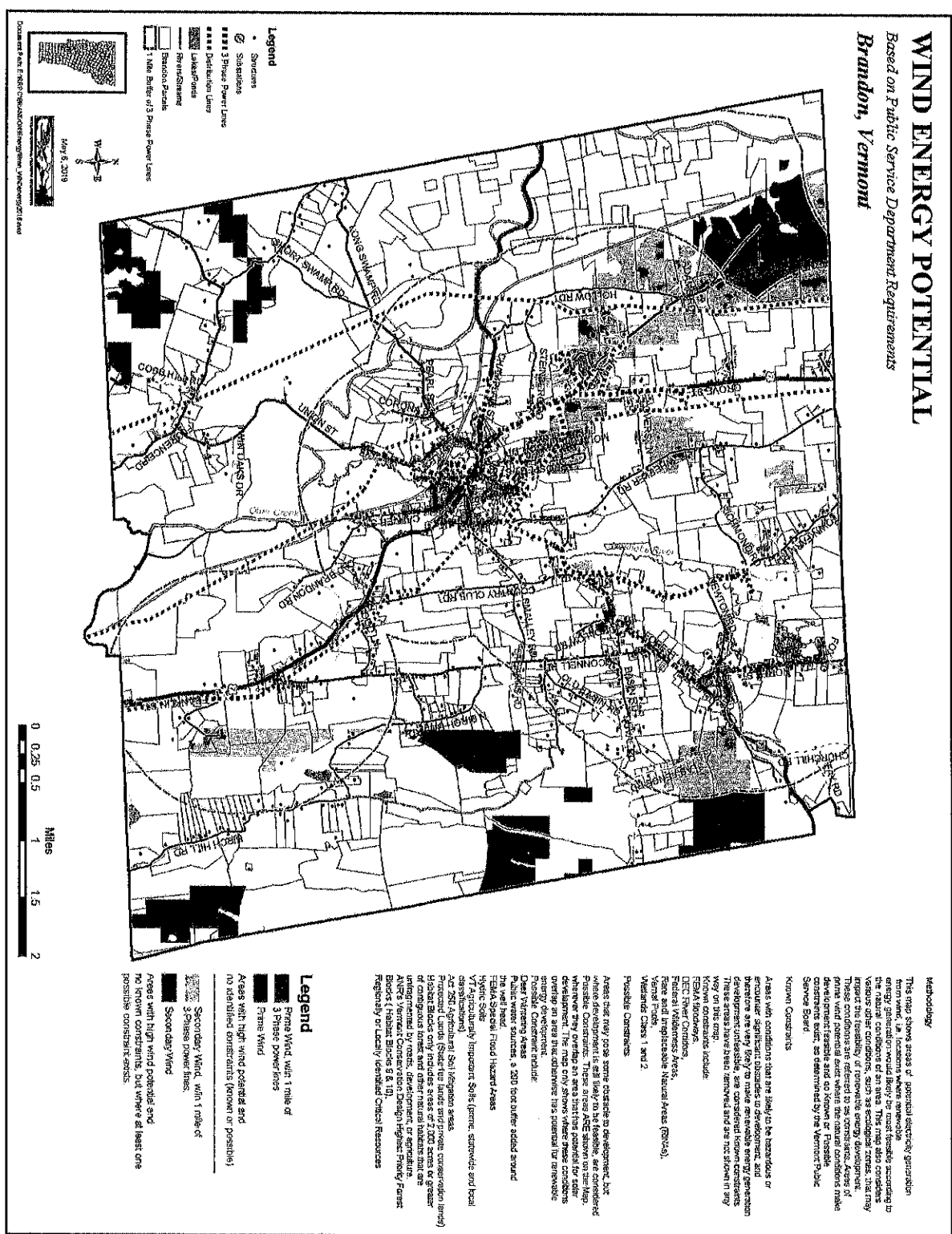
There are an estimated 801 acres of state-defined impervious surfaces in Brandon which is 100 MW/130,000 MWh of potential energy generation that could be added using a solar conversion.

**Grid Infrastructure (see map below)**

*Current Green Mountain Power grid infrastructure.*

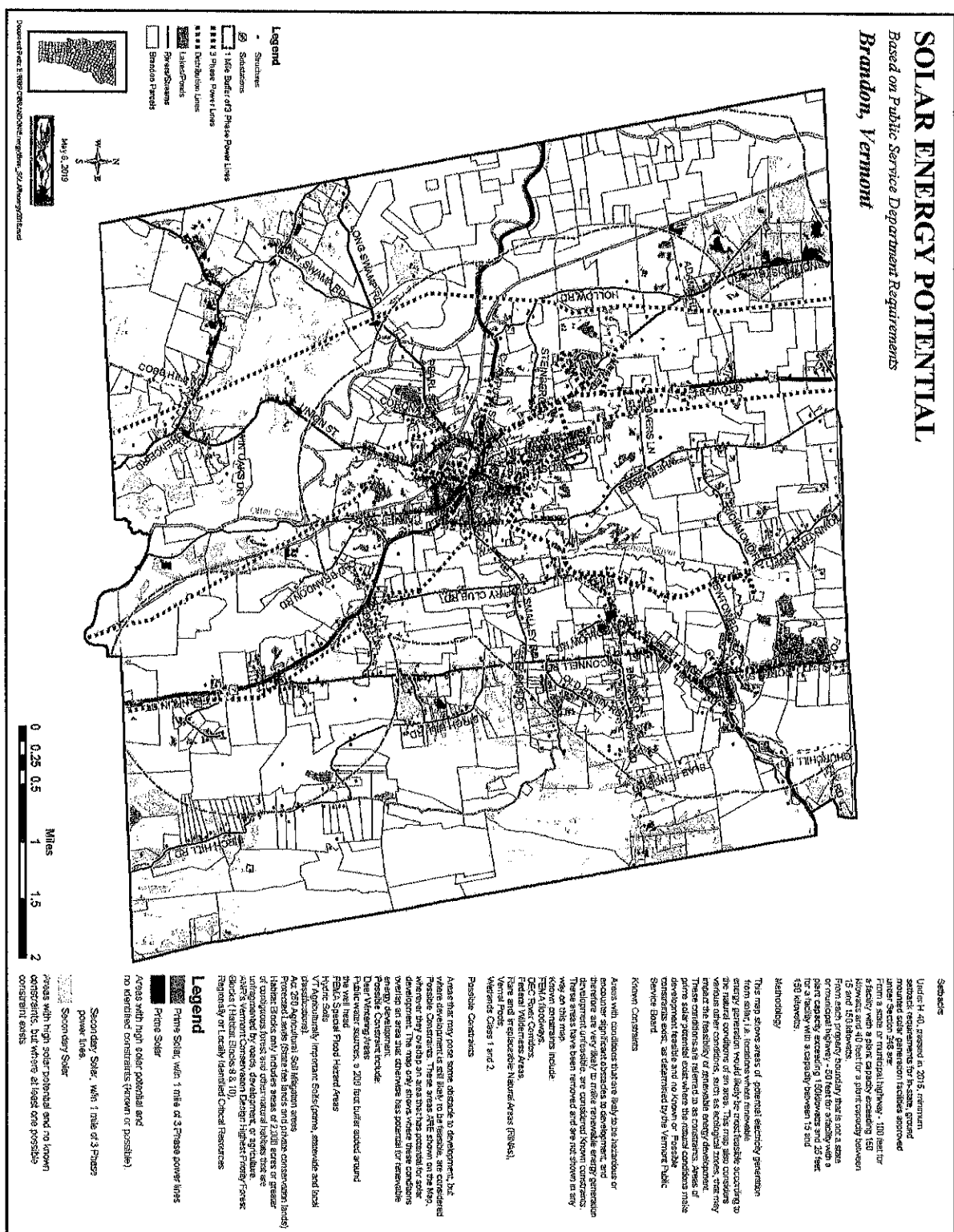
Another key element of the Resource Maps is the location of electric grid infrastructure, including three-phase and other high-capacity distribution lines. The location of transmission and distribution infrastructure was not specifically factored into the mapping analysis or the development of energy generation goals at the regional scale. However, grid infrastructure location and capacity will play a vital role in determining the economic feasibility and timetable for development of a certain site for a renewable energy generation facility.

For more detailed information on grid infrastructure and capacity, Green Mountain Power's "Solar Map" shows the specific capacity of each section of the utility's grid. Red distribution lines indicate there is less than 10% capacity remaining; yellow lines show 10-20% capacity remaining; and green lines indicate more than 20% capacity remaining.



# SOLAR ENERGY POTENTIAL

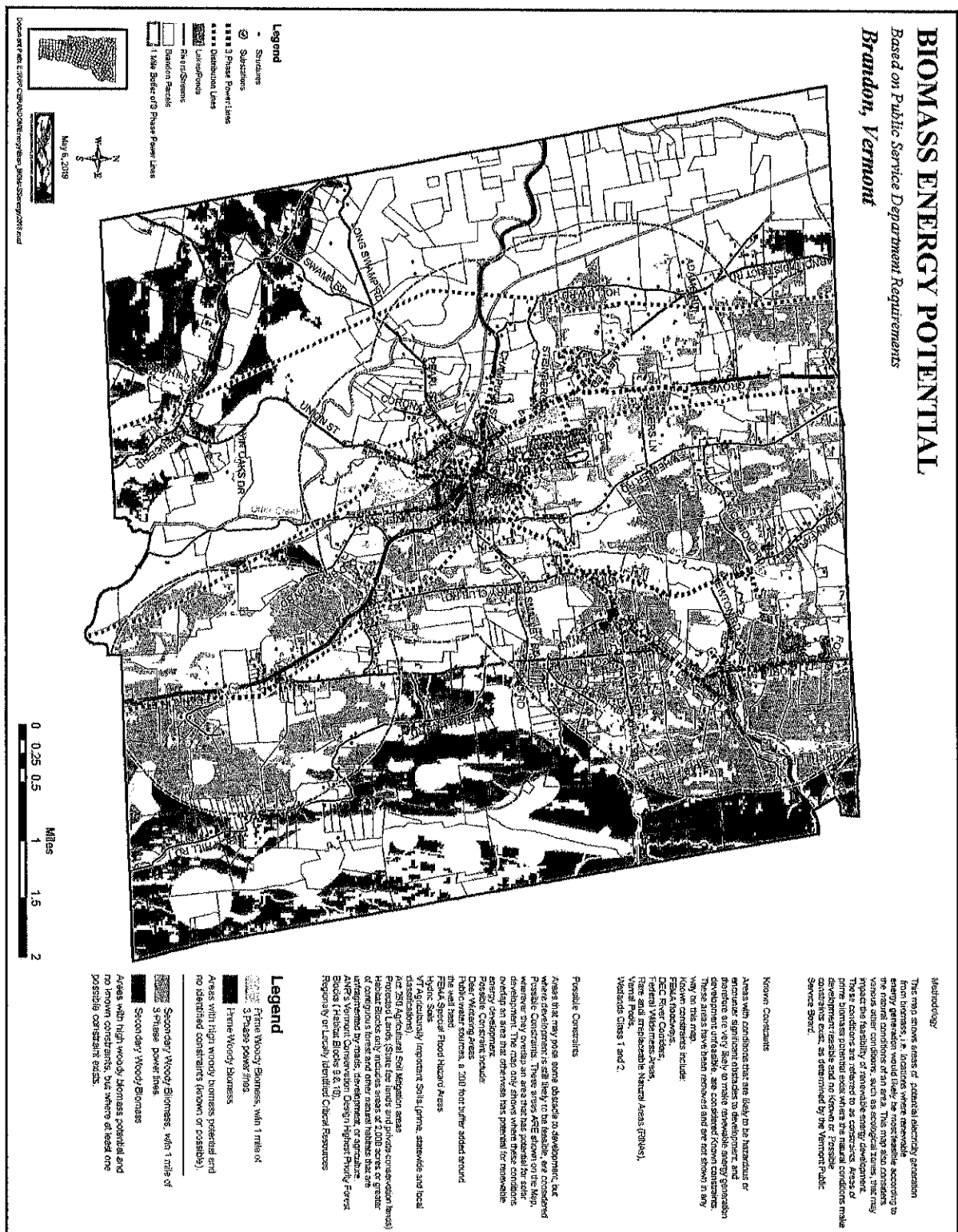
*Based on Public Service Department Requirements  
Brandon, Vermont*



## BIOMASS ENERGY POTENTIAL

*Based on Public Service Department Requirements*

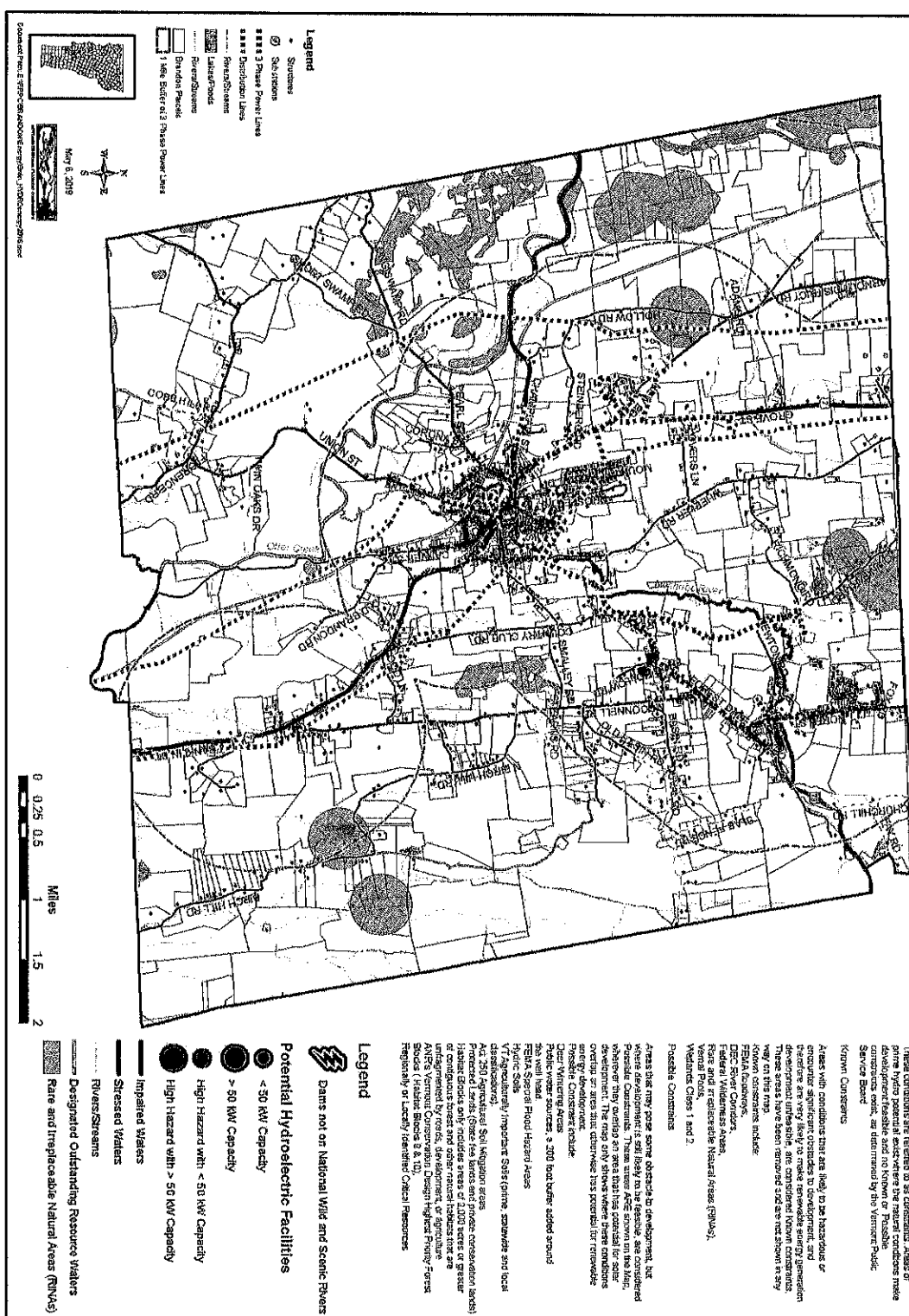
**Brandon, Vermont**



## HYDRO ENERGY POTENTIAL

*Based on Public Service Department Requirements*

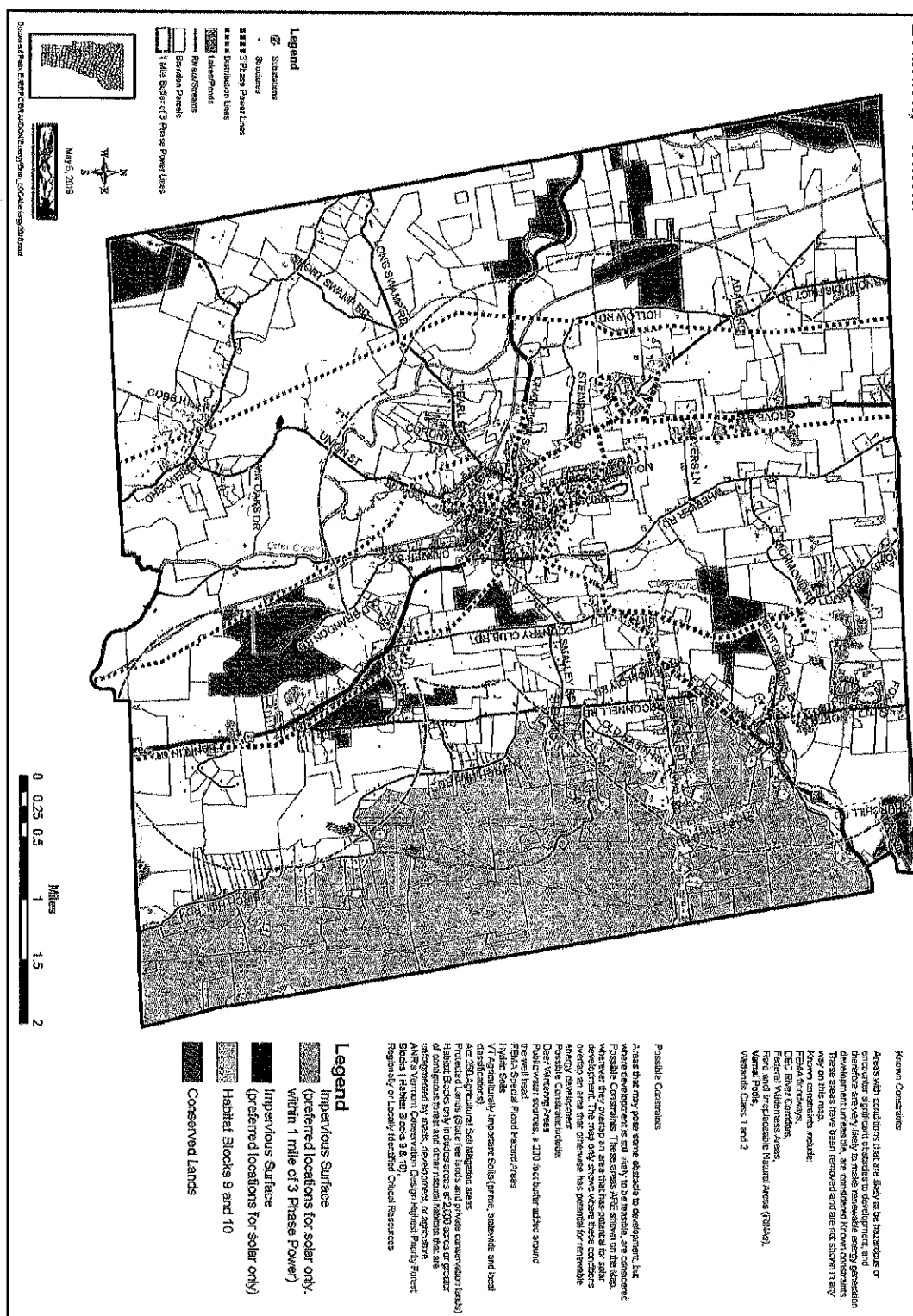
*Brandon, Vermont*



## LOCAL CONSTRAINTS

Based on RPPC Energy Committee

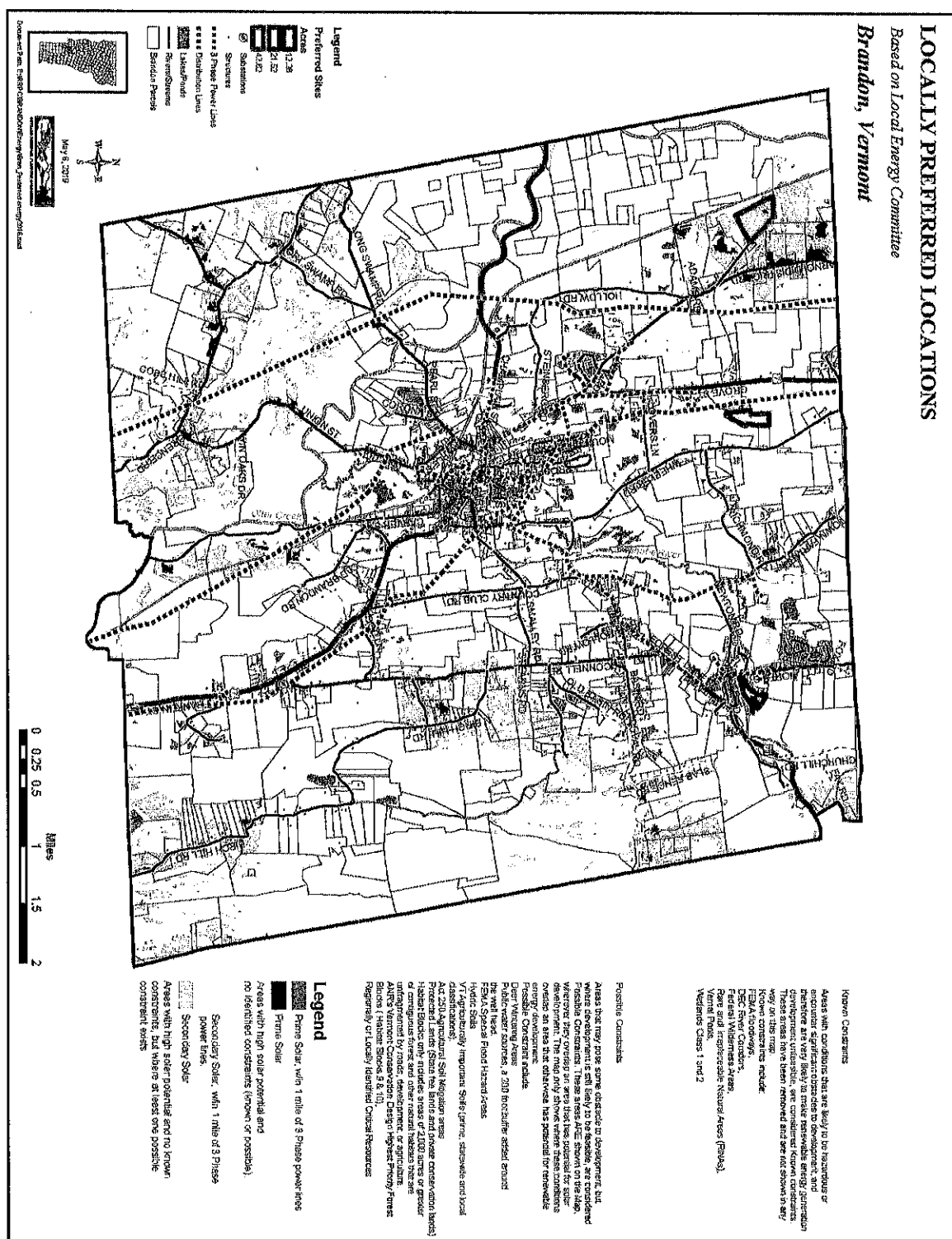
**Brandon, Vermont**



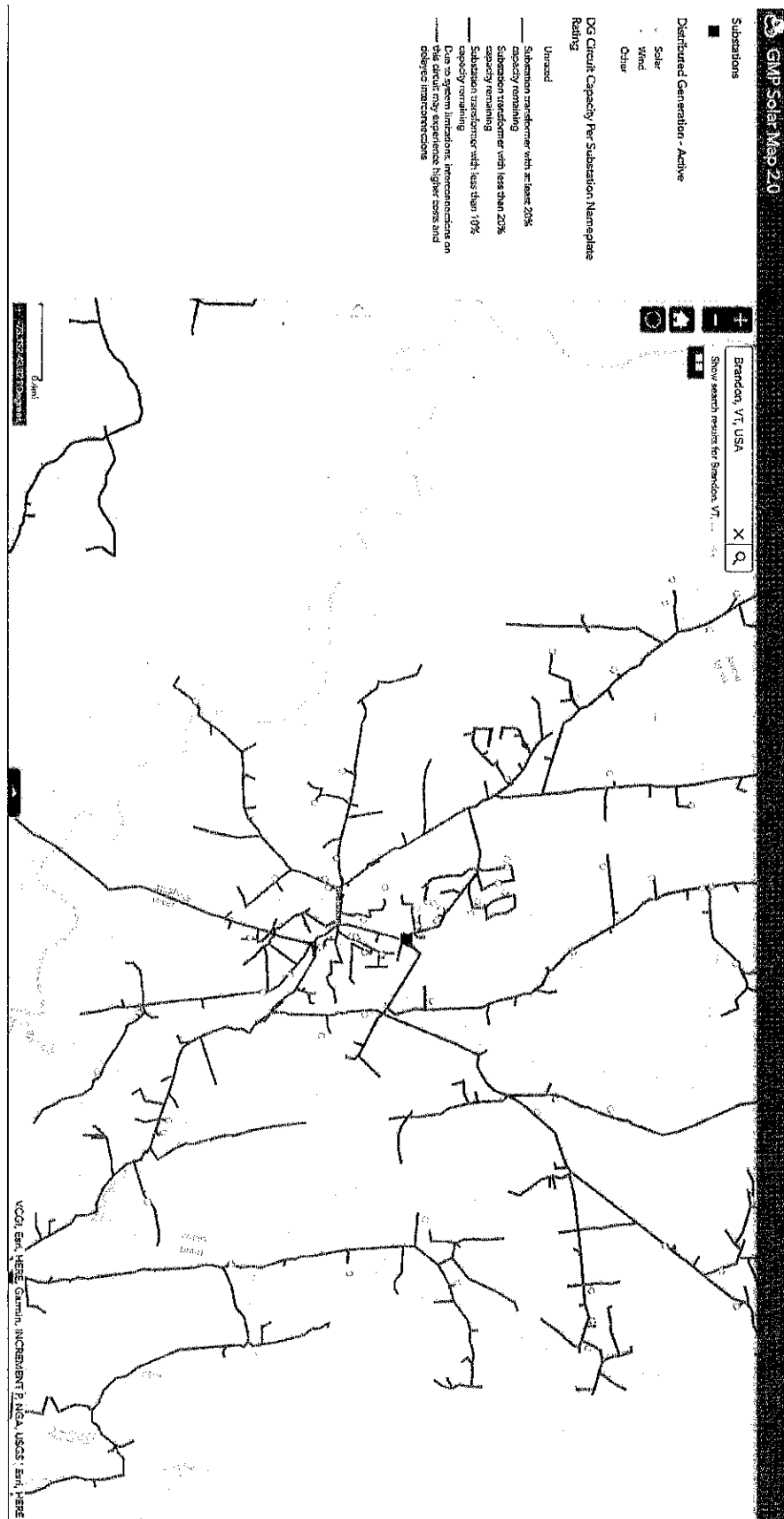
## LOCALLY PREFERRED LOCATIONS

*Based on Local Energy Committee*

*Brandon, Vermont*







### **Energy Strategies and Policies to Achieve Town Targets**

The purpose of this section is to identify specific actions that have the greatest potential for Brandon to greatly reduce fossil fuel use in a sustainable manner. Specifically, the following are strategies and policies to advance conservation and efficiency in space and water heating (thermal), and transportation and related land use changes.

In 2018, an Energy Committee was named for the Town of Brandon. The committee and other town officials shall be responsible for the assigned tasks below:

#### **Conservation and Efficient Use of Energy**

*To encourage energy conservation, efficient buildings and the efficient use of energy by individuals and the municipality, the Planning Commission with the assistance of the Energy Committee shall:*

- Implement this plan and track progress on the policies and actions in this plan. This committee's task shall be to promote local residential and commercial efficiency and conservation improvements through coordination of information and technical assistance. This committee shall advocate for appropriate renewable energy generation throughout the town. This committee shall report regularly to the town Select Board. Committee tasks include:
  - Co-sponsor and organize weatherization workshops for homes and businesses for new construction, retrofits, and existing structures.
  - Work with local vendors, state and national programs to facilitate solar /renewable energy options for middle and lower income households.
  - Coordinate with the following programs:
    - "Energy Star" building performance rating system.
    - Education programming and appliance upgrade rebates through Efficiency Vermont.
    - Weatherization assistance provided by BROOC Community Action in Southwestern Vermont and NeighborWorks of Western Vermont.
    - Provide information/resources to promote strategic tree planting to maximize energy benefits.
    - Promote the use of landscaping for energy efficiency.
    - Promote the use of cold climate heat pumps with education/presentations in coordination with Efficiency Vermont and electric utilities.
    - Support the use of ground-source heat pump heating and cooling systems for new construction.
    - Promote municipal solar, school solar, and community solar or other renewable energy projects on town land and take steps to help viable projects move forward.

*The Town of Brandon, including the Town Manager and Zoning Administrator, shall:*

- Promote the use of the residential and commercial building energy standards by distributing code information.
- Encourage new municipal and existing town buildings to meet Leadership in Energy and Environmental Design (LEED) standards and encourage current structures to become more energy efficient.

*To promote the decreased use of fossil fuels for heating, the Planning Commission with the assistance of the Energy Committee shall:*

- Address fossil fuel reductions between 2015 and 2050 by incorporating solar production in order to reach its 2050 municipal target for renewable energy generation. All other alternative sources of energy would reduce fossil fuel consumption beyond the 90by50 target. Other renewable sources of energy may include small hydro projects, biomass and small wind.
- Support viable large-scale, regional, wood-fired heating districts and identify resource partners that make, sell and/or transport wood chips and/or wood pellets that could be used in a district heating system.
- Research the possible development of appropriately sited, cost-effective bio-methane facilities and related infrastructure.

*To demonstrate the town's leadership by example with respect to the efficiency of municipal buildings, the Town Office shall:*

- Distribute (in person and via the town's website) utility energy transformation (reduction) information to promote greater energy efficiency as well as information regarding residential and group/community solar generation.

## **Transportation**

*To promote reduced transportation energy demand and reduced single-occupancy vehicle use, increased use of renewable or lower-emission energy sources for transportation, and the increased use of public transit, Brandon shall:*

- Promote the expansion of service of the Marble Valley Regional Transit District in the town.
- Continue close collaboration and promotion with the MVRTD to encourage greater ridership by town residents.
- Make public transportation information/resources available at town buildings and facilities.
- Promote the Go Vermont webpage, which provides rideshare, vanpool, public transit, and park-and-ride options.
- Encourage municipal employers to have the necessary equipment and training to facilitate conference calls, webinars, and other virtual meetings and information sharing.

*To encourage a shift away from gas/diesel vehicles to electric or other non-fossil fuel transportation options, the Energy Committee shall:*

- Promote the Drive Electric Vermont webpage which connects users to financial incentives, dealers, and recharging stations for EVs.
- Encourage major employers in the community that operate private fleets to switch some of their vehicles to alternative fuels, such as electric or biodiesel.
- Use town-wide events to promote different kinds of EVs and provide people interested in purchasing them an opportunity to talk with fellow community members who own them.
- Partner with Drive Electric Vermont, the Vermont Clean Cities Coalition, and other organizations to promote the expansion of workplace charging.
- Promote the installation of DC fast-charging infrastructure at strategic locations throughout town.
- Promote the installation of EV charging infrastructure as part of new development or redevelopment, especially for developments subject to Act 250.
- Encourage the installation of EV charging infrastructure that is accessible to school buses, municipal vehicles, snow plows, fire and other emergency vehicles, and farm vehicles.

- Encourage the development of additional refueling stations for alternative fuels, such as biodiesel and renewable natural gas (a form of biogas from methane), for both private and public transportation fleets by sharing station development costs between public and private interests.

*To encourage the development of walking and biking infrastructure, the Select Board, the Planning Commission and the Town Manager shall:*

- Encourage local planners, public works department, and others to implement complete streets concepts and provide sample language to include in municipal ordinances, regulations and bylaws to ensure that site plan reviews include pedestrian and bicycle access as well as safety and traffic-calming measures.
- Assess existing roads for their ability to accommodate safe and convenient walking and biking. Areas for improvement shall be prioritized and funding sought to align these areas with Complete Streets guidelines.
- Extend sidewalks and other types of bicycle and pedestrian facilities to high use areas and areas of new development.
- To better accommodate travel by bicycles, maintain a smooth roadway surfaces and sweep to remove sand, dirt, and trash as needed.
- Review state transportation projects in the town to ensure that Complete Streets are implemented.
- Use the Act 250 hearing process to ensure that local site plans include adequate bike and pedestrian infrastructure and safety measures.
- Close gaps in the transportation network by providing shared use corridors between important school and work destinations and nearby housing or between schools and downtowns or village centers and commercial districts.

*To lead by example by making municipal transportation more efficient, the Select Board and the Town Manager shall:*

- Purchase energy efficient municipal vehicles when practical.
- Encourage the installation of EV charging stations at the Town Office and other town buildings and facilities.

## Land Use

*Brandon is committed to land use policies that result in the conservation of energy, demonstrate a commitment to reducing sprawl/strip development, minimizing low-density development and making compact development more feasible. The Planning Commission, with the assistance of the Energy Committee, shall:*

- Promote low-impact development and green infrastructure practices for new development.
- Provide water and sewer services to areas that would allow infill development in existing developed residential, commercial and industrial areas.
- Prepare a plan for improving pedestrian and bike connections and for the consideration of funding through a capital budget and program.
- Review and update the town Future Land Use Map to reflect the vision and goals of this municipal plan.
- Work with the Select Board to develop a long-term master plan to address the infrastructure necessary for compact development, e.g., sewer and water, pedestrian and biking facilities and parking.
- Work with regional planning groups such as REDC and RRPC to promote Brandon as a site for energy efficient business development and green transportation.

- Accommodate the safe and effective use of renewable energy systems (residential and commercial scale) and consider town policies that address design, height, safety, siting, sound and decommissioning.

### Conclusion

The Town of Brandon's Energy Committee is hopeful that this document will provide energy benchmarking and a renewable roadmap for a more sustainable Brandon and, ultimately, a more sustainable Vermont. This Energy Plan is meant to be a living document that is updated with new data and, as technology advances, new roadmaps to reach Vermont's 90% renewable energy goal by 2050. In order to measure impact in the short, medium and long term, the Energy Committee commits to annually reviewing the aforementioned energy policies and strategies and their impact on the town and its residents.

### Sources

#### Data Sources

Efficiency Vermont, 2016  
LEAP (Long-range Energy Alternatives Planning), 2017  
U.S. Census American Community Survey, 2011-2015  
U.S. Energy Information Administration, 2017  
Vermont Department of Labor, 2016  
Vermont Department of Public Service, 2017  
VTrans (Vermont Department of Transportation), 2016  
Vermont Community Energy Dashboard, Energy Action Network, 2017

Appendix - QUESTIONNAIRE

1. Owner Information

A. Owner intends to construct a \_\_\_ kW (sites >15kW need to fill out the form below; the form is not necessary for sites <15kW) at the following address or legal description (system site):

B. This site is on (circle one):

- ☐ Public Land
- ☐ Private land

C. Is this a residential or commercial installation?

D. This site does or does not require local permits or improvements in public roads/infrastructure improvements to access/operate the installation? If yes, please describe.

E. Has owner secured rights to use the above-mentioned site?

F. Please describe what benefits this project would bring to the Brandon community.

G. This installation will be (circle one):

- ☐ net metered
- ☐ grid tied

H. If net metered who will be receiving the generation credits?

I. If this is a secure or restricted access site, how will security be handled? Will emergency personnel be able to access this site?

J. Who owns the RECs (Renewable Energy Credits)? Will the RECs be sold?

**2. Known and Possible Constraints**

A. There are state and regional constraints on locating renewable energy installations. Please indicate if this site does or does not conflict with these known or possible constraints.

1. *Known Constraints: vernal pools; DEC river Corridors; FEMA floodways; State-significant Natural Communities and Rare, Threatened and Endangered species areas; National Wilderness Areas; Class 1 and Class 2 wetlands.*
2. *Possible Constraints: Agricultural soils; FEMA Special Flood Hazard Areas; Protected lands (state fee lands and private conservation lands); Act 250 Agricultural Soil Mitigation Areas; Deer wintering areas; ANR's Vermont Conservation Design Highest Priority Forest Blocks; Hydric soils.*

B. The Town of Brandon has preferences based on the above-mentioned list. **Please include a site plan that shows location of renewable energy project in relation to the parcel boundaries, the converters and necessary power infrastructure to access the grid from this location. Indicate here what utilities or services would be required by the City:**

Brandon infrastructure and population density plans strive to concentrate residential growth to limit the impact of service infrastructure required. Any commercial proposals within these targeted population centers would need to be weighed against the future use of these spaces for population and municipal needs. Project will need to follow existing zoning procedures and practices.

**3. Project Details**

A. Type of generation:

B. Expected kW/kWh annual generation:

C. Is this a project that might be done in phases?

D. Are there any other phases planned for this site in the future?

E. Zoning variance required?

F. If located on public land, are public approvals required?

G. Expected construction start date:

H. Expected completion date:

I. Expected site maintenance plan:

J. Town of Brandon project timeline:

- Completed review by developer and town manager and planning commission
- Pre-construction site visit
- Final visit after PUC certificate of good issued and review of scope of project changes
- Midpoint construction visit
- Final preoperational visit
- Annual operational visits (to ensure best possible service to investors, the Town of Brandon will request economic and energy updates from the company on an annual basis)

#### **4. References and Tools**

- The Vermont Community Energy Dashboard: <https://www.vtenergydashboard.org/>
- VT Energy Dashboard (Brandon's baseline): <https://www.vtenergydashboard.org/my-community/brandon/progress>
- The Renewable Energy Atlas: <https://www.vtenergydashboard.org/energy-atlas>. This is a helpful tool for communities and people interested in exploring and identifying energy projects, known or possible constraints, and sites best suited for renewable energy deployment. Search for Brandon and find the energy resources deployed and select Layers on the right-hand side of the Atlas to see the Act 174 constraints.
- Vermont energy committees network: <https://vecan.net/>