

Infrastructure & Energy Committee

BARNSTABLE
TOWN CLERK

Minutes, March 4, 2019

19 APR 11 AM 11:46

Infrastructure and Energy Committee Members in Attendance

Doyle, Peter - Chair	Boyle, John
Starr, Gordon	Gallus, Barry

Others in Attendance

James H. Crocker, Jr., Town Council President
Paul C. Neary, Town Councilor
Paula K. Schnepp, Town Councilor
P. Griffin Beaudoin, Interim Assistant Engineer
Cindy Dabkowski, Administrative Assistant
Bronwen Howells Walsh, the Barnstable Patriot

Not in Attendance

Alessi, Alison
Eichner, Ed
Britt Beedenbender, Town Council Liaison

Call to order

A quorum being present the Chairman Peter Doyle called the Infrastructure & Energy Committee (IEC) meeting to order at 5:00 pm. The meeting was held in the DPW Conference Room located at 382 Falmouth Road Hyannis.

Approval of Minutes:

Motion moved by Gordon Starr to approve the Minutes of the February 25, 2019 meeting of the Infrastructure and Energy Committee as written. Barry Gallus 2nd the motion. All in favor, motion carried.

Communications from Committee Members

Open Meeting Law/Conflict of Interest update. Members should complete the online public body member certification and submit copy of certificate as soon as possible.

Cindy will send attached Chapter 195. Single-Use Plastic Carry-Out Bags to IEC members.

Gordon Starr asks if anyone attended the Board of Health (BOH) meeting – Gordon Starr will get information to share with members. BOH Meetings are recorded and meetings are now tabulated, so members can view section of interest on line.

Barry Gallus asks about recycling of plastic at transfer station-where does it go? How do we pay? Griffin Beaudoin states it is his understanding that it is by the ton. Request to schedule PJ Kelliher, Solid Waste Division Supervisor, as a presenter at a future IEC meeting.

High School recycling and composting information continued to 3/18/2019 meeting.

IEC meetings will be held on the 1st & 3rd- Monday of the month until group has a purpose.

John Boyle suggests a meeting with Stephen Sundelin, Structures and Grounds Division Supervisor to see what he thinks can be done.

Invite List:

- Mark A. Milne, C.P.A., Director of Finance, regarding fiscal policy and FY2020 CIPs
- PJ Kelliher, Solid Waste Division Supervisor, regrading Transfer Station overview
- Elizabeth Jenkins, Director of Planning and Development, regarding climate change and adaption model for the Town of Barnstable.
- Erin Perry, Special Projects Manager, Cape Cod Commission, presentation on climate change projects within the Town of Barnstable.

Paul C. Neary, Town Councilor, suggests members take a look at the new FY 2020 CIP budget book to get familiar with capital spending

Britt Beedenbender, Town Council Liaison, will give an update and will discuss Stretch Code / Green Community status with committee @ 3/18/2019 meeting.

Margaret Song, Commercial & Industrial Program Manager, Cape Light Compact Presentation on energy efficiency programs and renewable competitive electricity supply continued to March 18, 2019.

James H. Crocker, Jr., Town Council President suggests Committee should look at the CIP book-these are areas the Town is invested in, dice them into pieces, when you are looking to develop your agenda spend ½ your time on energy and ½ your time spent on water quality.

The Water Resource Advisory Committee (WRAC) had one purpose, the group accomplished their task, and they delivered its product and disbanded.

Initiatives coming up “How can we improve some of the infrastructure we have currently?”

Modeling committee after the Comprehensive Financial Advisory Committee (CFAC) they go through a process of inviting staff members, then committee makes recommendation to Town Council.

Paula K. Schnepf, Town Councilor suggests that over time the committee will have opportunities to make recommendations in a timely manner rather than just react.

Topics of Interest to the Committee

- Energy
- Water Quality
- Climate Change- Town doesn't have a policy
 - Climate change resilience-harbors carbon dioxide is it an issue- State thinks it is
 - Mitigation vs Adaptation
- Sea level rise
- Storm surge
- Coastal stabilization
- Sacrificial sand-evaluation

- Comprehensive pump stations evaluations
- New Regional policy plan mentions change-put in some mitigations
- Net Zero- Climate Change

Gordon Starr asks “What happened with gas main along Service Road in West Barnstable?” P. Griffin Beaudoin responds “It is on everyone’s radar but at this time it is a management issue, not a policy issue.”

Gordon Starr informs committee members of the Yarmouth Department of Public Works (DPW) Waste Management Division presenting updates and information on Recycling in Yarmouth. Get your questions answered, what's recyclable, what's not, and why. March 8, 2019 call Roby Whitehouse at 508-398-2231 X 1515.

Gordon Starr suggests committee invite Kari Parcell from Department of Environmental Protection; Municipal Assistance Coordinator to present Cape Cod Cooperative Extension provides technical assistance to the Cape and Islands municipal solid waste programs for MassDEP SMRP grant opportunities. These grants are targeted at the diversion of municipal waste streams such as recycling, composting, reuse, re-purposing, and other materials to prevent non-trash from ending up in our landfills and incinerators.

IEC Committee can host meetings, such as recycling John Boyle likes idea of teaching rules of recycling because markets change weekly based on cleanliness of recycle.

James H. Crocker, Jr., Town Council President, recycling is huge because it’s a commodity – commodities shift with seasons.

Peter Doyle states “The best defense is - Don’t make trash in the first place”. Peter Doyle states he is taking a gardening course he is very proud of; hands out – “One bite can change your life”.

Gordon Starr suggests take interest in a Solar Installation Program. Eversource East is the last territory to have the full rebate. Rebate incentive (installers) block of money available

Upcoming Meetings

March 18, 2019	May 6, 2019	June 3, 2019
April 1, 2019	May 20, 2019	June 17, 2019

Adjourn

Motion moved by Gordon Starr to adjourn the meeting of the Infrastructure and Energy Committee at 6:45 PM, 2nd by Barry Gallus, the vote was passed unanimously.

Documents and Exhibits

Agenda, March 04, 2019 Meeting
 Draft minutes of February 25, 2019
 The Stretch Energy Code – Plymouth
 One Bite can Change your Life, Tick Bourne Diseases
 Infrastructure and energy Committee proposed short and long term goals list

Respectfully submitted by Cindy Dabkowski

TOWN OF BARNSTABLE

NOTICE OF MEETINGS OF TOWN DEPARTMENT AND ALL TOWN BOARDS
As Required by Chapter 28 of the Acts of 2009, amending MGL Chapter 30A

NAME OF PUBLIC BODY - COMMITTEE, BOARD OR COMMISSION:

Infrastructure and Energy Committee

DATE OF MEETING: March 4, 2019

TIME: 5:00 PM

PLACE: DPW Conference Room 382 Falmouth Road Hyannis

TOPICS FOR DISCUSSION:

Call to order

Approve minutes of February 25, 2019

Communication from Committee Members

Open Meeting Law & Ethics test compliance update

Periodicals of interest to committee update

Recycling: Barry Gallus

Plastic Bag Ban, Town Ordinance discussion

Single use containers discussion

High School: Alison Alessi

High School composting

High School energy group

Energy: Britt Beedenbender, Town Councilor

Stretch Code effort

Margaret Song of Cape Light Compact

Cape Light Compact

Energy Audit

Water Quality: Defer to short & long term goal discussion

New Business

Climate Change: The Town of Barnstable has no policy.

List of invitees & priority. Finance, Recycling, Planning, Wastewater, Water, Cape Light Compact

Old Business

Long term and short term goals list development continued discussion

Matters not reasonably anticipated by the Chair

Next Meeting: March 18, 2019 5:00 PM Department of Public Works conference room - 382 Falmouth Road

Adjournment

The list of matters, are those reasonably anticipated by the president/chair, which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law. It is possible that if it so votes, the sub-committee may go into executive session.

PERSONS INTERESTED ARE ADVISED THAT IN THE EVENT THAT ANY MATTER TAKEN UP AT THE MEETING THAT REMAINS UNFINISHED AT THE CLOSE OF THE MEETING, IT MAY BE PUT OFF TO A CONTINUED SESSION OF THIS MEETING WITH PROPER POSTING.

For your information the section of the M.G.L. that pertains to postings of meetings is as follows: Except in an emergency, in addition to any notice otherwise required by law, a public body shall post notice of every meeting at least 48 hours prior to such meeting, excluding Saturdays, Sundays and legal holidays. In an emergency, a public body shall post notice as soon as reasonably possible prior to such meeting. Notice shall be printed in a legible, easily understandable format and shall contain: the date, time and place of such meeting and a listing of topics that the chair reasonably anticipates will be discussed at the meeting. Meetings of a local public body, notice shall be filed with the municipal clerk, and posted in a manner conspicuously visible to the public at all hours in or on the municipal building in which the clerk's office is located.

The Stretch Energy Code - Plymouth

Massachusetts gives communities two options for their building energy code – a Base Energy Code or an optional Stretch Energy Code. Towns can choose to adopt the Stretch Energy Code by Town Meeting vote and it can be rescinded by Town Meeting vote. Becoming a Green Community requires that Town Meeting adopt the Stretch Code.

On January 1, 2017, both the Base Energy Code and the Stretch Energy Code were updated. The differences between the two are now much smaller than in the past. Basically, to comply with the Stretch Code, new residential construction in a Stretch Code town needs to follow the Performance Path of the Base Code rather than the Prescriptive Path. The updated Stretch Code also applies to all new commercial buildings over 100,000 square feet and new commercial buildings over 40,000 square feet if they are specific high energy users such as supermarkets, laboratory buildings and refrigerated warehouses. **It is worth noting that all additions, renovations, and repairs to residential buildings are explicitly exempt from the Stretch Code. Also smaller new commercial buildings as well as additions, renovations and repairs of commercial buildings are exempt.**

A key feature of the Stretch Energy Code is that it is performance based. It requires new homes to meet a HERS (Home Energy Rating System) index rating target of 55, rather than requiring the installation of specific levels of energy efficiency for each building element (e.g. Windows, Wall insulation, roof insulation, furnace etc.). The HERS rating is a measure based on a home's total expected energy use and overall efficiency. It is calculated by a certified HERS rater using accredited software, which uses information on the design of the energy systems in a home to calculate the annual energy needs of the home and give it a rating score.

One benefit of using HERS ratings for compliance with the Stretch Energy Code is that builders do not have to install specific energy efficiency measures, rather they have the flexibility to choose which energy efficiency measures to install, and how to design the home in order to meet the HERS rating target. It is also a way to ensure that homes are well built. As part of the HERS rating, the HERS rater tests the home for air leakage and inspects insulation installation, which helps ensure that the home performs as designed.

Basically, the Stretch Code requires that the performance path of the standard building code be followed in Stretch Code municipalities for new homes and for large new commercial buildings. Under the Stretch Code, the additional cost will be primarily for the services of the HERS Rater and for more efficient heating systems. This is generally in the \$1,500 - \$2,500 range for residences with a \$1,300 - \$1,700 incentive available through the Mass Save Residential New Construction Program that mostly offsets the cost. There are also typically annual energy bill savings that more than tip the balance to give homeowners a net savings every year on their Stretch Code investment.

Once adopted, the Stretch Energy Code would take effect on the date specified in the Town Meeting Warrant Article. Currently 250 out of 351 communities, representing more than 78% of the state's population, have adopted the Stretch Energy Code. Nearby communities that have adopted it include Bridgewater, Duxbury, Halifax, Hanson, Kingston, Pembroke, Plympton, Marshfield, Middleborough, Lakeville, Rochester and Wareham. Most builders in the area are likely familiar with the stretch energy code. Many say that the energy efficiency trade-off features of the Stretch Code 55 HERS rating makes it easier to construct a Stretch Code home than a Base Energy Code home.

Tick Facts

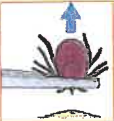
- Tick habitat is in shady, damp, brushy, wooded areas including shrubs and gardens.
- Ticks cannot jump or fly. They attach to people, pets, or other animals that brush up against them.
- Nymph stage ticks are found mostly at ground level. Adult stage ticks can be found up to a couple of feet off of the ground on vegetation.

Tick Bite Prevention

- Do a tick check after coming inside and tumble-dry clothes for 20 minutes.
- Wearing light-colored clothing makes it easier to see ticks.
- Use repellents; read and follow all label instructions. There are two types of repellent:
 1. Products containing DEET may be used on skin.
 2. Products containing Permethrin may be used on clothing, not skin. Use Permethrin to treat clothing (active through six washings), or purchase pre-treated clothing (active through seventy washings).

Tick Removal

REMOVE TICK IMMEDIATELY and CORRECTLY

- Using pointy tweezers, grasp tick by the head (as shown) and pull straight up. →  Avoid twisting.
- DO NOT USE: matches, cigarettes, petroleum jelly, gasoline, nail polish remover, etc.
- After removing tick, apply antiseptic to bite area.
- Note date when tick was removed.
- Save tick for identification and testing.

Tick Testing

Laboratory of Medical Zoology: www.TickReport.com

Testing can be performed for all major diseases.

Useful Resources

- Cape Cod Cooperative Extension: www.capecodextension.org
- MA Department of Public Health: www.mass.gov/dph
- University of Rhode Island: www.tickcounter.org
- Barnstable County Department of Health and Environment: www.barnstablecountyhealth.org

Larry Dapsis, Entomologist
ldapsis@barnstablecounty.org
508.375.6642



Cape Cod Cooperative Extension
www.capecodextension.org



ONE BITE CAN CHANGE YOUR LIFE

TICK-BORNE DISEASES ARE PREVENTABLE

The Blacklegged Tick, also called Deer Tick, is abundant throughout Massachusetts. They can carry the organisms that cause Lyme disease, babesiosis, anaplasmosis, and relapsing fever. While tick-borne illnesses can be very serious if untreated, they are **preventable**.

APPROXIMATE ACTUAL SIZES



Deer Ticks



Lone Star Ticks



Dog Ticks

Understand Your Risk

Cape Cod Cooperative Extension can identify ticks for you and discuss prevention recommendations.

Call 508-375-6690 for information.

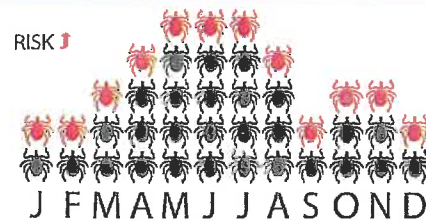
Nymph Stage Deer Ticks

- Are active from early May through early August
- Are about the size of a poppy seed
- Due to their small size pose the highest risk of getting a tick-borne disease
- ⓧ About 1 in 4 nymph stage Deer Ticks carry Lyme disease.

Adult Stage Deer Ticks

- Are active from September through May
- Are about the size of a sesame seed
- ⓧ About 1 in 2 adult stage Deer Ticks carry Lyme disease.

The risk of getting a tick-borne disease is year round.



Ticks can be active, even in winter, when temperatures are above freezing.

Infrastructure & Energy Committee

DRAFT Minutes, February 25, 2019

Infrastructure and Energy Committee Members in Attendance

Doyle, Peter - Chair	Alessi, Alison
Eichner, Ed	Boyle, John
Starr, Gordon	Gallus, Barry

Others in Attendance

Paul C. Neary, Town Councilor
Fred Dempsey
P. Griffin Beaudoin, Interim Assistant Engineer
Cindy Dabkowski, Administrative

Not in Attendance

Britt Beedenbender, Town Council Liaison

Call to order

A quorum being present the Chairman Peter Doyle called the Infrastructure & Energy Committee (IEC) meeting to order at 5:01 pm. The meeting was held in the DPW Conference Room located at 382 Falmouth Road Hyannis.

Approval of Minutes:

Motion moved by Gordon Starr to approve the Minutes of the February 11, 2019 meeting of the Infrastructure and Energy Committee as written. Barry Gallus 2nd the motion. All in favor, motion carried.

Motion moved by Ed Eichner to approve the Minutes of the January 28, 2019 meeting of the Infrastructure and Energy Committee as written. Barry Gallus 2nd the motion. All in favor, Ed Eichner abstains motion carried.

New Business

John Boyle, P.E. provides the committee with a Current Status of Vineyard Wind Project, notes attached. John Boyle also hands out a map showing the areas of impact in Barnstable, attached.

Peter Doyle discusses Infrastructure and Energy Committee proposed topics of interest and short and long term goals associated with each. List attached.

Ed Eichner asks "Are there sewer lines planned along the Vineyard Wind Project area?"

P. Griffin Beaudoin states "Yes, the Vineyard Wind Project shifted the Town's plans around; Town will be installing a main artery down project roadways."

John Boyle will continue to gather information on the Vineyard Wind Project and report back to the committee.

Alison Alessi discusses a Single use Bottle Ban on warrants in 6-7 down Cape towns. A non-profit organization is working to get single use plastic bottle ban in municipal and commercial buildings. The organization is looking for support from the Infrastructure and Energy Committee.

Alison Alessi will reach out to Barnstable high school for information about Energy Committee.

Ed Eichner states "Would like to see the committee get some understanding about the water system infrastructure and the sewer system infrastructure. How decisions are being made and how citizens are involved. At minimum would like the Infrastructure and Energy Committee to be aware of comment periods. Primary opportunities to offer feedback.

Fred Dempsey introduced himself, explained that he has been on various committees; main interest has been water quality.

Old Business

Barry Gallus asks in reference to the Transfer Station discussion "Why does Town get a consultant to come in and design a project and then not move forward with the project?"

P. Griffin Beaudoin answers "Project is ready to go when there is an appetite to move forward."

Barry Gallus asks in reference to the Transfer Station discussion "Is there any portion of the project that can be moved forward?" P. Griffin Beaudoin answers "Not at this time."

Gordon Starr states "Committee would like to have PJ Kelliher in to discuss recycling and where it is going."

Britt Beedenbender, Town Council Liaison asked IEC to table Green Community discussions to March 4, 2019 meeting. Britt Beedenbender, will update the IEC members Green Community Information.

Peter Doyle hands out first draft of short and Long term goals for the I & E Committee (see attached)

Upcoming Meetings

March 18, 2019

April 1, 2019

May 6, 2019

May 20, 2019

June 3, 2019

June 17, 2019

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Documents and Exhibits

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Map Vineyard Wind project impacts in Barnstable

Infrastructure and energy Committee proposed short and long term goals list

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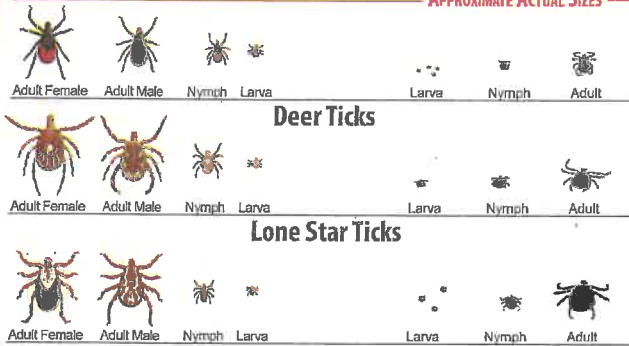
Infrasctructure & Energy Committee
Meeting Date: 3/4/2019
Attachment # 3

ONE BITE CAN CHANGE YOUR LIFE

TICK-BORNE DISEASES ARE PREVENTABLE

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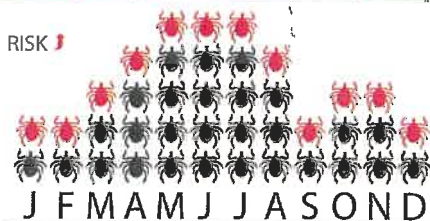
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- Ⓜ About 1 in 4 nymph stage Deer Ticks carry Lyme disease.

Adult Stage Deer Ticks

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- Are about the size of a sesame seed
- Ⓜ About 1 in 2 adult stage Deer Ticks carry Lyme disease.

The risk of getting a tick-borne disease is year round.



Ticks can be active, even in winter, when temperatures are above freezing.

Tick Facts

- Tick habitat is in shady, damp, brushy, wooded areas including shrubs and gardens.
- Ticks cannot jump or fly. They attach to people, pets, or other animals that brush up against them.
- Nymph stage ticks are found mostly at ground level. Adult stage ticks can be found up to a couple of feet off of the ground on vegetation.

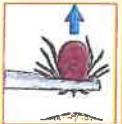
Tick Bite Prevention

- Do a tick check after coming inside and tumble-dry clothes for 20 minutes.
- Wearing light-colored clothing makes it easier to see ticks.
- Use repellents; read and follow all label instructions. There are two types of repellent:
 1. Products containing DEET may be used on skin.
 2. Products containing Permethrin may be used on clothing, not skin. Use Permethrin to treat clothing (active through six washings), or purchase pre-treated clothing (active through seventy washings).

Tick Removal

REMOVE TICK IMMEDIATELY and CORRECTLY

- Using pointy tweezers, grasp tick by the head (as shown) and pull straight up. → Avoid twisting.
- DO NOT USE: matches, cigarettes, petroleum jelly, gasoline, nail polish remover, etc.
- After removing tick, apply antiseptic to bite area.
- Note date when tick was removed.
- Save tick for identification and testing.



Tick Testing

Laboratory of Medical Zoology: www.TickReport.com

Testing can be performed for all major diseases.

Useful Resources

- Cape Cod Cooperative Extension: www.capecodextension.org
- MA Department of Public Health: www.mass.gov/dph
- University of Rhode Island: www.tickencounter.org
- Barnstable County Department of Health and Environment: www.barnstablecountyhealth.org

Larry Dapsis, Entomologist
ldapsis@barnstablecounty.org
 508.375.6642



Cape Cod Cooperative Extension
www.capecodextension.org



Infrastructure & Energy Committee

file/ I&E C

02/17/19

Do what you can, with what you have, where you are. - T Roosevelt

Mission Statement - (proposal) 0 fossil fuel 0 throw away 0 water contamination

Energy

Short

Green Community,

Bldg Inspector invite. 2/19

Vineyard Wind. Invite.?

V Wind \$\$\$ - who gets what, for what?

Cape Light Compact, invite.

700 project. Bldgs audited to date?

Solar & HVAC installs.

Transportation - electric

Long

Climate Change policy for TOB

Global Covenant of Mayors for Climate & Energy - sign it

Green New Deal - sign it.

Invite Solar, HVAC installers, HERS, Builders, how can we help?

Infrastructure. Short

Water, water everywhere but not a drop to drink.

Santos or designe invite. How can we help or is IEC a nuisance? Present & future CIP?

V Wind \$ available -> Energy coord, edu films, info mags. Urine diversion

Long

WWTP effluent disposal

Ponds

208 plan or CWWMP WQAC vaporization?

Urine diversion & Compost toilets

Invite Chamber of Commerce, Planning Dept, County (maps & resiliency plan)

Recycle

Short

Material to Barry, do an info binder.

Plastics bags - Stop & Shop. Town ordinance? Who enforces.

Ban straws

Veggie bags, bad?

Recycling - what's happening.?

Invite PJ for update.

Trucks full of recycles leaving T.S. ?

Long

Ban on sgle use in Town bldgs. -> ban sgle use in Town.

Ban Single use plastic etc

Or \$.25 deposit

compost food

Why is there any recycling at all? Coke, Pepsi, Poland Springs should be sued.

LCP

Britt

Champions

"Education"

-How to use Town website

Can we attach videos?

Meetings on TV

-Annual village meetings.

Library presentations

-High School energy committee.

High School has a food composter

Americorp?

Green Community

Harwich, Yarmouth, Orleans, Falmouth

Planning board -> Right of siting & 1 yr review.

M Song

MEI

Stretch code

-Habitat uses HERS

-\$250,000/yr base

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nicholas.connors@state.ma.us

Infrasctructure & Energy Committee

Meeting Date: 3/4/2019Attachment # 5

