



BOARD OF FINANCE
AGENDA

Waterford Town Hall
Regular Meeting

January 13, 2016
7:00 pm

1. Establishment of a quorum and call to order
2. Public Comment
3. Approval and acceptance of minutes of:
Regular Meeting on December 9, 2015
4. Consider and act upon Liaison Appointment Changes
Board of Education – Change from Cheryl Larder to Elizabeth Sabilia
Utility Commission – Change from James Reid to Cheryl Larder
Emergency Management Advisory Council – Change from Elizabeth Sabilia
To James Reid
5. Consider and act upon a request from the Board of Selectmen on behalf of
Lt. Stephen Bellos, Emergency Management Director, for an appropriation
in the amount of \$366,000 from Capital and Non Recurring Designated Line Item
20507-57776 Fiber Install Municipal Complex, based upon its consistency with
the Capital Improvement Plan and forward to the Representative Town Meeting as
required.
6. Old Business
 - a) Informational Presentation of the Municipal Complex Project
01/04/16 Presentation is not ready per Neftali Soto

RECEIVED FOR RECORD

M. ATTEST

TOWN CLERK

1/17, 2016 @ 3:50pm.
Doreen J. Larder
mat

6. Old Business (Continued)

b) **Tabled 11/18/2015:** Consider and act upon a request from the Board of Selectmen on behalf of Bruce Miller, Director of Fire Services for an appropriation in the amount of \$240,300 from Capital and Non-Recurring Line Item #20500-31520 Undesignated Fund Balance to Designated Capital and Non Recurring Line Item #20523-57733 Oswegatchie Firehouse Building Improvements which represents the funding for Design Development in the replacing of the Oswegatchie Fire Station, based upon its consistency with the Capital Improvement Program and contingent upon approval of the Board of Selectmen at the Regular Meeting scheduled for Tuesday, November 17, 2015.

7. New Business

8. Liaison Reports

9. Correspondence

- a) 12/05/15 CCM Notice Budget Deficit Special (emailed to Board members)
- b) 12/09/15 Approved Liaison Appointments for 2015 – 2016
- c) 12/15/15 Copy CGS 8-24 Approval – Municipal Complex Improvements
- d) 12/16/15 CCM Notice – Cut to School Transportation Grant (emailed to Board members)
- e) Board of Education Regular Meeting Agenda for 12/17/15
- f) 01/05/16 CCM Notice – FY16 ECS Reduction Estimates

10. Adjournment


Ronald Fedor, Chairman

Board of Finance
Regular Meeting Minutes

Wednesday, December 9, 2015
Town Hall Auditorium

Present: Chairman Ronald Fedor, John W, Sheehan, Cheryl Larder, Norman Glidden,
James Reid

Absent: Anthony Jessuck Jr., Elizabeth Sabilia

Elected: Daniel M. Steward, First Selectman

RTM: Thomas Dembek, Moderator
Richard Muckle, Majority Leader

Staff: Maryanna Stevens, Director of Finance / Gail Miller, Secretary
Brett Mahoney, Chief of Police
Roslyn Rubinstein, Library Director
Sally Ritchie, Senior Services Director
Bruce Miller, Fire Services Director
Abby Piersall, Planning Director
Neftali Soto, Chief Engineer, Utility Commission
Dani Gorman, Youth Services Director
Thomas Giard, Superintendent of Schools
Ed Crane, Information Technology Director, Board of Education
Julie Watson Jones and Patti Waters, Registrars of Voters
Mike Bekech, Assessor

REC'D
TOWN CLERK
15 DEC 10 AM 11:00
RECEIVED BY RECORD
CLERK

1. Establishment of a quorum and call to order
A quorum was established and the Regular Meeting was called to order at 7:01 p.m.
2. Public Comment - None
3. Approval and acceptance of minutes of:
Regular Meeting on November 18, 2015 with a correction to RTM Member's Name: Correct David Goldstein to Paul Goldstein

Motion by Mr. Glidden and **seconded** by Mr. Sheehan to approve the minutes of November 18, 2015 with the change stated.
Vote: Unanimous Motion Passed.

4. Informational Presentation on the status of the Town's Information Technology with Maryanna Stevens, IT Committee Chair and Chief Mahoney along with Ed Crane, IT Director

Ms. Larder made opening comments regarding the informational presentation. A handout of the Power Point presentation was given to the Board members. Chief Mahoney presented a Power Point on the current status of the Town's Information Technology. Ed Crane and Maryanna Stevens provided additional information on the different aspects of the presentation.

A discussion ensued. The Board thanked the IT Committee for the presentation.

5. Discussion of the Board of Education stipend to Youth Services for Counseling Services

Maryanna Stevens, Director of Finance, clarified the information provided on the Board of Education Childcare Account.

No action was necessary and none was taken.

6. Consider and act upon a request from the Board of Selectmen on behalf of the Registrars of Voters, for an additional appropriation in the amount of \$4,476, due to State mandated training and election cost overages, to be disbursed as follows:

\$1,890	To Line Item # 10102-52050 Dues, Conferences & Education
\$ 134	To Line Item # 10102-52070 Reimbursable Expense
\$2,452	To Line Item # 10102-53020 Other Supplies

Motion by Mr. Glidden and **seconded** by Mr. Sheehan to approve the request as stated from Contingency Line Item # 10121-59010.

Vote: Unanimous **Motion Passed.**

Motion by Ms. Larder and **seconded** by Mr. Sheehan to move Item 16 up on the agenda.

Vote: Unanimous **Motion Passed.**

16. Consider and act upon a request from Thomas Giard, Superintendent of Schools, to allow the Board of Education to submit its Fiscal Year 2017 budget by February 26, 2016.

It was the consensus of the Board to allow the Board of Education to submit their FY2017 Budget no later than February 26, 2016.

Mr. Giard thanked the Board for their consideration.

7. Review and approval of Board of Finance Budget for FY 2016/17

Motion by Mr. Sheehan and **seconded** by Mr. Glidden to approve the Board of Finance Budget.

Friendly amendment to the motion by Mr. Sheehan and **seconded** by Mr. Glidden to approve the Board of Finance Budget in the amount of \$53,544 for FY 2016/17.

Vote: Unanimous **Motion Passed.**

8. Review and approval of Contingency Budget for FY 2016/17

Motion by Mr. Sheehan and **seconded** by Mr. Glidden to approve the Contingency Budget in the amount of \$245,000 for FY 2016/17.

Vote: Unanimous **Motion Passed.**

9. Selection of Board of Finance liaisons to Town of Waterford Boards and Commissions:

The liaison assignments are as follows:

Board of Education -- Cheryl Larder
Board of Selectmen -- James Reid
Utility Commission -- James Reid
Recreation and Parks Commission -- Norman Glidden
Police Commission -- Anthony Jessuck Jr.
Senior Citizen Commission -- Elizabeth Sabilia
Youth Services Advisory Council -- Ronald Fedor
Emergency Management Advisory Council -- Elizabeth Sabilia
Mago Point Redevelopment Ad-Hoc Committee (STEAP) -- Ronald Fedor
Representative Town Meeting -- Ronald Fedor
Municipal Complex Building Committee -- Cheryl Larder

Motion by Mr. Glidden and **seconded** by Mr. Sheehan to approve the liaison appointments as above.

Vote: Unanimous **Motion Passed.**

10. Appointment of Board of Finance member to serve on the Information Technology Committee

Motion by Mr. Sheehan and **seconded** by Mr. Glidden to appoint Cheryl Larder to serve on the Information Technology Committee.

Vote: Unanimous **Motion Passed.**

11. Appointment of Board of Finance member to serve on the Ad Hoc Committee to Screen Social Service Grant budgets

Motion by Mr. Fedor and **seconded** by Mr. Glidden to appoint John Sheehan to serve on the Ad Hoc Committee to Screen Social Service Grant budgets.

Vote: Unanimous **Motion Passed.**

12. Appointment of Board of Finance Representative to the Fleet Management Ad Hoc Committee for a term of one year -- December 10, 2015 -- December 11, 2016

Mr. Fedor designated Mr. Sheehan to serve on the Fleet Management Ad Hoc Committee.

Motion by Ms. Larder and **seconded** by Mr. Glidden to appoint John Sheehan to serve on the Fleet Management Ad Hoc Committee for a term of one year -- December 11, 2015 -- December 12, 2016

Vote: Unanimous **Motion Passed.**

13. Appointment of Board of Finance Representative to the Retirement Commission for a term of two years; January 1, 2016 – December 31, 2017

Motion by Ms. Larder and seconded by Mr. Glidden to appoint John Sheehan to serve on the Retirement Commission for a term of two years; January 1, 2016 - December 31, 2017.

Vote: Unanimous Motion Passed.

14. Appointment of two Board of Finance members to serve on the RTM Long Range Fiscal Planning Committee

Motion by Mr. Sheehan and seconded by Mr. Glidden to appoint Ronald Fedor & James Reid to serve on the RTM Long Range Fiscal Planning Committee.

Vote: Unanimous Motion Passed.

15. Old Business

a) Informational Presentation of the Municipal Complex Project
Presentation is not ready. No Action Taken.

b) **Tabled 11/18/2015:** Consider and act upon a request from the Board of Selectmen on behalf of Bruce Miller, Director of Fire Services for an appropriation in the amount of \$240,300 from Capital and Non-Recurring Line Item #20500-31520 Undesignated Fund Balance to Designated Capital and Non Recurring Line Item #20523-57733 Oswegatchie Firehouse Building Improvements which represents the funding for Design Development in the replacing of the Oswegatchie Fire Station, based upon its consistency with the Capital Improvement Program and contingent upon approval of the Board of Selectmen at the Regular Meeting scheduled for Tuesday, November 17, 2015.

At their meeting held on Tuesday, December 1, 2015, the Board of Selectmen voted to postpone this project. No action taken by the Board of Finance.

16. New Business – This item was moved up on the agenda; after Item 6.

17. Liaison Reports

Mr. Sheehan reported on the Board of Selectmen, RTM and Retirement Commission. See attached report.

Ms. Larder reported on the Utility Commission: They are reviewing Asset Management. They have been dealing with a water main break.

18. Correspondence
 - a) 11/19/15 Status of Contingency FY16 from Town Accountant
 - b) 11/17/15 Letter from Town Clerk regarding Overage in Election Materials
Handed out at the meeting:
 - c) Amended Standard Operating Procedures and Technology Support
Agreement between the Town and Board of Education (2007)

19. Adjournment
Motion by Mr. Glidden and **seconded** by Mr. Sheehan to adjourn the
Regular Meeting of the Board of Finance at 8:43 p.m.

Respectfully submitted,



Gail R. Miller, Secretary

Liaison Reports December 9, 2015

Board of Selectmen

12/01/2015 – The BOS again postponed action on the Oswegatchie Building Committee appropriation request due to lack of response from the Building Committee. The BOS also postponed action on a proposed uniform purchasing system proposed by the Purchasing Agent due to her unavailability at the time of the BOS meeting. The Board approved entering into the boundary line agreement on the land owned by the Town on the south shore of Miller's Pond as recommended by the Town Attorney. The Board approved a bid waiver for the proposal process for the Oil Mill Road Culvert Replacement Design and accepted the recommendation of the Public Works Director to retain the current on call engineering consultant, Kleinfelder. The BOS suggested to the PWD that it may be time to request new proposals for the on call engineering consultant. First Selectman Dan Steward was appointed to represent the BOS on the Retirement Commission. The First Selectman called the Board's attention to a letter he sent to the RTM Moderator requesting the reconstitution of the Oswegatchie Fire House and the Municipal Complex Building Committees.

Representative Town Meeting

12/07/2015 - Tom Dembek was elected to another term as RTM Moderator. After an Executive Session the RTM approved the expenditure of funds necessary to implement the agreement between the Town of Waterford and Local 1303-037 effective from July 1, 2015 through June 30, 2017.. Wage increase was 2.5% each year of the contract. Raises will increase budget by \$82,579 in Year one and an additional \$84,644 in Year 2. The Step increases will be an additional \$33,553 in year one and an additional \$24,952 in Year 2. Changes to the health plan are projected to save the town from \$89,251 to \$109,260 per year. The Town is permitted to offer a High Deductable Plan with an HSA account as an alternative to the regular health plan. The RTM did disestablish the Stabilization Fund as requested by the BOF. The RTM formed new committees for the current term and appointed Brian Lynch and Jeremy Grabel to the Retirement Commission. The RTM approved a FY2017 budget request of \$20,306. The increase is in the advertising and postage lines of the budget. The action on a proposed uniform purchasing system and operating rules was postponed due to lack of recommendation from the BOS.

Retirement Commission

12/09/2015 – The Retirement Commission approved the sending of an RFP for an Investment Advisor for the Retirement and OPEB Plans and reviewed the investments of the Retirement Plan for the past three quarters. The last two quarters were not kind to the plan investments showing a loss of \$16,655 for the year to date (10/31/2015). The Commission approved a \$4,904,047 proposed budget for FY2017 including \$3,115,614 for MERF contribution and \$1,160,000 for the OPEB trust fund.

Gail Miller

From: ronald_r_fedor [ronald_r_fedor@sbcglobal.net]
Sent: Monday, December 14, 2015 6:11 AM
To: Cheryl Larder
Cc: Elizabeth Sabilia; Gail Miller; jim reid
Subject: Re: Fwd: Approved Liaison List 12/09/15

Cheryl, Beth, Jim and Gail,

Jim is willing to take Emergency Management and leave you (Cheryl) with Utility and Beth you have Board of Ed.

Gail please add these changes to next agenda to be approved by board.

Thank you all,

Ron

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: cheryl larder <crlarder22@gmail.com>
Date: 12/12/2015 12:53 PM (GMT-05:00)
To: RONALD R FEDOR <ronald_r_fedor@sbcglobal.net>
Cc: Elizabeth Sabilia <beth@sabillialaw.com>, Gail Miller <GMiller@waterfordct.org>
Subject: Re: Fwd: Approved Liaison List 12/09/15

I agree it goes on the agenda. It was not until I was on my way home that it occurred to me that Beth is the more appropriate liaison for BOE. I would be fine going back to UTILITY if you feel swapping one of her other positions to Jim is more appropriate. I opted out of seniors because I am reluctant to take another appointment that will impact my work schedule. Thanks.

◇ Cheryl

On Dec 11, 2015 3:41 PM, "RONALD R FEDOR" <ronald_r_fedor@sbcglobal.net> wrote:
I would like to add this to January agenda.

Ron

From: Elizabeth Sabilia <beth@sabillialaw.com>
To: ronald_r_fedor <ronald_r_fedor@sbcglobal.net>; Gail Miller <GMiller@waterfordct.org>
Cc: Cheryl Larder <crlarder22@gmail.com>
Sent: Friday, December 11, 2015 3:35 PM
Subject: Re: Fwd: Approved Liaison List 12/09/15

Ron,

With respect to change in committee assignments: Cheryl will take EM and I will take BOE for committee assignments. I will keep Seniors and Cheryl will keep her other appointments.

I am copying Gail here. Does this require action of the BOF or are you vested with the power to make appointments as the Chair?

Thanks,
Beth

On Thu, Dec 10, 2015 at 4:55 PM, ronald_r_fedor <ronald_r_fedor@sbcglobal.net> wrote:

Works for me. Please notify Gail to make the change.

Ron

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: Elizabeth Sabilia <beth@sabilialaw.com>

Date: 12/10/2015 4:47 PM (GMT-05:00)

To: Ronald Fedor <ronald_r_fedor@sbcglobal.net>

Cc: Cheryl Larder <crlarder22@gmail.com>

Subject: Fwd: Approved Liaison List 12/09/15

Ron,

Is it possible to switch one of my committee appointments with one of Cheryl's? Cheryl contacted me this morning asking if I would be interested in serving as the BOE liaison and I would if it is possible to make that change? My other two positions are Senior Citizens and Emergency Management. EM has not met once and Senior Citizens meets regularly but at a time that is very difficult for me to leave my office or an appointment (it's 4:00 and I can never stop my work in time to make it).

By way of background, my first elected seat was to the NL BOE, so I actually served my term in purgatory on the NL BOE so I know the pressures of Board members in putting together a budget. Also as you may know, my dad was a lifelong educator (an English teacher, the Administrator of New London Adult and Continuing Education and President of COABE (I think it's the Commission on Adult and Basic Education). Additionally, I have two kids in the system and two stepkids that are graduates (as am I).

I don't know if assignments require a vote or if they are at the pleasure of the Chairman; but, if you have the power and are willing to entertain the request, I would appreciate it. If it does require a vote, I would appreciate it if you would add the item to the next Agenda of the BOF. As you warned me last night when I told you that I could not make it to the meeting, I am not complaining . . . I am just looking to put my resources in a logical place.

Please let me know your thoughts.

Thanks in advance,
Beth

P.S. Cheryl is copied on this email above.

----- Forwarded message -----

From: **Gail Miller** <GMiller@waterfordct.org>

Date: Thu, Dec 10, 2015 at 12:36 PM

Subject: Approved Liaison List 12/09/15

To: "Anthony Jessuck Jr." <anthony.jessuckjr@wellsfargoadvisors.com>, Cheryl Larder <crlarder22@gmail.com>, Elizabeth Sabilia <beth@sabilialaw.com>, "James Reid (jreid43@att.net)" <jreid43@att.net>, JOHN SHEEHAN <sheehanjw@sbcglobal.net>, Norm Glidden <mnglidden@yahoo.com>, Ron Fedor <ronald_r_fedor@sbcglobal.net>

Cc: Maryanna Stevens <mstevens@waterfordct.org>

Good Afternoon,

Attached is the Liaison Appointment list approved at last night's meeting, 12/09/15.

Please contact me with any questions.

Thank you,

Gail R. Miller
Finance Secretary
Town of Waterford
(860) 440-0562 Telephone
(860) 440-0579 Fax
email: gmilller@waterfordct.org



Elizabeth A. Sabilia, Esq.
Sabilia Law Firm, LLC
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Fax: (860) 201-1112 |
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Gail Miller

From: RONALD R FEDOR [ronald_r_fedor@sbcglobal.net]
Sent: Friday, December 11, 2015 3:42 PM
To: Elizabeth Sabilia; Gail Miller
Cc: Cheryl Larder
Subject: Re: Fwd: Approved Liaison List 12/09/15

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Date: Thu, Dec 10, 2015 at 12:36 PM

Subject: Approved Liaison List 12/09/15

To: "Anthony Jessuck Jr." <anthony.jessuckjr@wellsfargoadvisors.com>, Cheryl Larder <crlarder22@gmail.com>, Elizabeth Sabilia <beth@sabilialaw.com>, "James Reid (jreid43@att.net)" <jreid43@att.net>, JOHN SHEEHAN <sheehanjw@sbcglobal.net>, Norm Glidden <mnglidden@yahoo.com>, Ron Fedor <ronald_r_fedor@sbcglobal.net>

Cc: Maryanna Stevens <mstevens@waterfordct.org>

Good Afternoon,

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Please contact me with any questions.

Thank you,

Gail R. Miller
Finance Secretary
Town of Waterford
(860) 440-0562 Telephone
(860) 440-0579 Fax
email: gmilller@waterfordct.org



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Gail Miller

From: Cheryl Larder
Sent: Thursday, December 10, 2015 10:10 AM
To: Gail Miller
Subject: RE: Hold on committee assignment list

Beth will take BOE appointment, please let Ron know and Bill says it goes on agenda for action. Thanks

◇ Cheryl

On Dec 10, 2015 8:54 AM, "Gail Miller" <GMiller@waterfordct.org> wrote:
It probably does. Let me know and I'll put it on the next agenda. Thanks Cheryl.

Gail R. Miller
Finance Secretary
Town of Waterford
[\(860\) 440-0562](tel:(860)440-0562) Telephone
[\(860\) 440-0579](tel:(860)440-0579) Fax
email: [gmiller@waterfordct.org](mailto:gmillers@waterfordct.org)

From: Cheryl Larder
Sent: Thursday, December 10, 2015 8:54 AM
To: Gail Miller
Subject: Hold on committee assignment list

Beth may take boe, but maybe that requires formal action? I'll ask the guru.
Thanks

◇ Cheryl

FIFTEEN ROPE FERRY ROAD



WATERFORD, CT 06385-2886

5

January 7, 2016

Mr. Ronald Fedor
Chairman
Board of Finance
15 Rope Ferry Road
Waterford, CT 06385

Dear Chairman Fedor,

The Board of Selectmen, at a Special Meeting on Tuesday, January 5, 2016 voted to approve an appropriation in the amount of \$366,000 from designated line Fiber Install Municipal Complex – line # 20507-57776 and forward onto the Board of Finance as required. This request is consistent with the Capital Improvement Plan.

Therefore, I respectfully request that you consider and act on this request. I have attached pertinent back up material from the designated department.

Sincerely,

Daniel Steward
First Selectman

Enclosure

cc: Maryanna Stevens, Director of Finance
Steve Bellos, Director of Emergency Management



Waterford Office of Emergency Management

204 BOSTON POST ROAD • WATERFORD, CT • 06385 • (860) 442-9585 • FAX (860) 443-5327

Memo

To: Daniel Steward, First Selectman

From: Stephen Bellos, Lieutenant

CC: Board of Selectmen
Brett Mahoney, Chief of Police
Maryanna Stevens, Director of Finance
Ronald Fedor, BOF Chair

Date: December 29, 2015

Re: Appropriation Fiber Installation

The installation of fiber between the Municipal Complex, the Communications Center and Town Hall including the town wide radio system is ready to move forward. The project includes the installation of fiber and related equipment. The project also includes a redundancy with a microwave backup system that can be built out to include cameras and other communication equipment such as the alarms at the various pump stations.

I respectfully request an appropriation in the amount of \$366,000 from designated line Fiber Install Municipal Complex - line #20507-57776. Attached are the quotes from Fibertech in the amount of \$292,300 and from Island Tech Services for the Microwave System in the amount of \$43,920. The remaining request in the amount of \$29,780 is to cover the cost of the equipment necessary to light the fiber from the Municipal Complex to Town Hall and the equipment to light up the fiber from the radio towers to the Communications Center.

Please feel free to contact me with any questions. I will also be at the Board of Selectmen meeting to answer any questions.



Hub Site: # of Strands
Waterford | 2

COMPARISON OF FIBER NETWORK 3, 5 Year Lease
and 20 Year Upfront Lease

Connection To:	Building Entry Cost (assumes no external construction)	Annual Maintenance 20 Year IRU Contact Only	20 Year Upfront Payment on Route State Contract Pricing	Total Upfront, including Route and Building Entry	Hub Site: # of Strands	Off Net Miles	On Net Miles
Hub Location (Waterford Police)	already done						
to: Rogers Hill Tower 35 South Bartlett Rd, Quaker Hill	\$10,000.00	\$5,400.00	\$105,000.00	\$115,000.00	2	0.5	12
to: 1000 Hartford Road, Waterford	\$10,000.00	\$1,500.00	\$35,000.00	\$45,000.00	2	0	5
from: 1000 Hartford Road, Waterford to: Fargo Road Tower 36 Fargo Road, Waterford	\$10,000.00	\$300.00	\$7,000.00	\$17,000.00	2	0	1
to: Miner Lane Tower 85 Miner Lane, Waterford	\$8,100.00	\$600.00	\$14,000.00	\$22,100.00	2	0	2
to: Cohanzle Tower 53 Dayton Rd, Waterford	\$8,100.00	\$1,800.00	\$42,000.00	\$50,100.00	2	0	6
to: Southwest Tower 51 Daniels Ave, Waterford	\$8,100.00	\$1,500.00	\$35,000.00	\$43,100.00	2	0	5

Total Upfront - Route and Building Entry
20 Years of Use - Avg Monthly (cost - 5 circuits)

\$235,000.00
\$292,300.00
\$243.58
\$0.00
\$428.58

Please Note that pricing for 20 Year assumes no additional digs (gras
There would be additional charges for such digs.

\$177,300.00 Without Rogers Hill Tower

Total Monthly Expenditures

QUOTE

ISLAND TECH SERVICES (ITS)

980 S 2nd Street, Ronkonkoma, NY 11779
 Phone: 631-447-2442 Fax: 631-447-2514
 Contact: Bryan Frost
 Email: bfrost@itsg.us.com

Number ITSQ12636-01
 Date Nov 30, 2015

Sold To
Waterford CT Police Dept Steve Bellos 41 Avery Ln Waterford, CT 06385 United States
Phone Fax

Ship To
Waterford CT Police Dept Steve Bellos 41 Avery Ln Waterford, CT 06385 United States
Phone Fax

Salesperson	P.O. Number	Contract Number	Ship Via	Terms
bfrost				

Qty	Part #	Description	Unit Price	Ext. Price
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****Microwave System****

BUDGETARY QUOTE

Fargo Water Tank Site to Remote Sites (Bartlett Tank, Dayton Tower, Miner Tower, Daniels Tower)

8	C050065H010A	Cambium Networks - PTP 650 Integrated END with AC+DC Enhanced Supply	\$3,500.00	\$28,000.00
Installation/Hardware				
80	Service Call	Install Cambium 4.9GHz PMP Access Points at Fargo Tank Site. Install (4) Remote Subscriber modules at Bartlett Tank, Dayton Tower, Miner Tower, Daniels Tower) Configure and optimize microwave links. Existing cabling to be used where possible.	\$135.00	\$10,800.00
8	C000065L007A	PTP 650 LPU and Grounding Kit Cambium Networks - PTP 650 LPU and Grounding Kit	\$350.00	\$2,800.00
8	WB3176A	Cambium Networks - PTP 600 - PTP 100M Clad Cable used for PTP500/600 radios	\$265.00	\$2,120.00

SubTotal	\$43,720.00
Tax	\$0.00
Shipping	\$200.00
Total	\$43,920.00

Signature: _____

WE SPECIFICALLY DISCLAIM ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OR WITH REGARD TO ANY LICENSED PRODUCTS. WE SHALL NOT BE LIABLE FOR ANY LOSS OF PROFITS, BUSINESS, GOODWILL, DATA, INTERRUPTION OF BUSINESS, NOR FOR INCIDENTAL OR CONSEQUENTIAL MERCHANTABILITY OR FITNESS OF PURPOSE, DAMAGES RELATED TO THIS AGREEMENT. MINIMUM 16% RESTOCKING FEE WITH ORIGINAL PACKAGING.

PTP 650

Service providers, government public safety agencies, and critical infrastructure operators such as utilities and energy companies have experienced massive growth in data, voice, and video traffic over the past few years. This growth has imposed large bandwidth demands for reliable and secure broadband connectivity and backhaul worldwide.

Cambium Networks disrupts the performance-reliability continuum with the Cambium Point-to-Point (PTP) 650 Series solution. With up to 450 Mbps aggregate throughput, PTP 650 systems let you reliably and securely handle today's needs with scalability to meet future requirements.

FLEXIBLE, SPECTRALLY-EFFICIENT, SELF-OPTIMIZING SUB-6GHZ SOLUTION

Based on our widely-deployed, field-proven non-line-of-sight (NLOS) technology, PTP 650 wireless Ethernet bridges offer an ideal array of features that give you more capacity, greater operational flexibility, and the highest spectral efficiency in the industry. PTP 650 systems provide 4.9 to 6.05 GHz, multi-band flexibility in a single radio and operate in channel sizes from 5 to 45 MHz.

With Dynamic Spectrum Optimization (DSO), PTP 650 systems are constantly optimizing the channel of operation to maximize link reliability and performance. The systems can provide up to 99.999% availability in virtually any environment, including non-line-of-sight, long-distance line-of-sight, high interference, over water and desert, and through extreme weather conditions. As a result, you can deliver more throughput with less spectrum and less investment in even the most challenging environments.

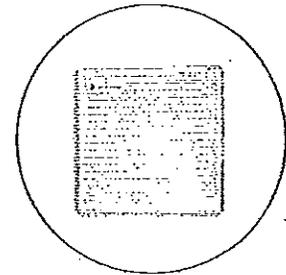
DESIGNED WITH YOU IN MIND

Whether your organization is an enterprise, government agency, or service provider, PTP 650 systems are ideal solutions for a wide array of applications such as T1/E1 and fiber replacements or extensions; video surveillance backhaul; LTE, macro-cell, and small-cell backhaul; last-mile access; disaster recovery; network redundancy; and building-to-building campus connectivity.

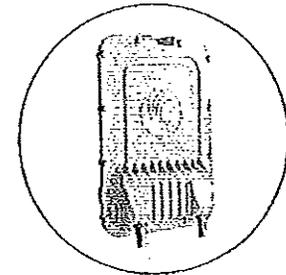
FIELD TESTED AND INDUSTRY CERTIFIED

PTP 650 radios meet industry standards with proven compliance to assure you of interoperability, security, and ruggedization.

- FIPS 197 128/256-bit AES encryption
- IEEE 1588v2 and Synchronous Ethernet (SyncE)
- IPv6/IPv4 dual-stack management support
- Ingress Protection rated (IP66/67) protective aluminum radio enclosures
- MEF9 certification



PTP 650 Integrated



PTP 650 Connectorized

Specifications

SPECIFICATION SHEET: PTP 650

RADIO TECHNOLOGY	
MODEL	PTP 50650
RF BANDS ¹	Wide-band operation 4.9 to 6.05 GHz (Allowable frequencies and bands are dictated by individual country regulations. The most common bands are listed here.) 4.940 – 4.990 GHz (Public Safety) 5.15 – 5.25 GHz 5.25 – 5.35 GHz 5.470 – 5.725 GHz 5.725 – 5.850 GHz 5.825 – 6.050 GHz
CHANNEL SIZES	5, 10, 15, 20, 30, 40, and 45 MHz channels Channel sizes depend on individual country regulations
SPECTRAL EFFICIENCY	10 bps/Hz maximum
CHANNEL SELECTION	By Dynamic Spectrum Optimization or manual intervention; automatic selection on start-up and continual self-optimization to avoid interference
MAXIMUM TRANSMIT POWER ²	Up to 27 dBm at BPSK; up to 23 dBm at 256 QAM
SYSTEM GAIN ²	Integrated: Up to 164 dB with 20 MHz channel and Integrated 23 dBi antenna; varies with modulation mode, channel size and spectrum Connectorized: Varies with modulation mode and antenna type
RECEIVER SENSITIVITY	-98 dBm with 5 MHz channel
MODULATION / ERROR CORRECTION	Fast Preemptive Adaptive Modulation featuring 13 modulation / FEC coding levels ranging from BPSK to 256 QAM dual payload MIMO
DUPLEX SCHEME	Time Division Duplex (TDD) Adaptive or fixed transmit/receive duty cycles. Split frequency operation allows separate transmit and receive frequencies where allowed by regulation. Optional TDD synchronization using PTP-SYNC Module
ANTENNA	Integrated; Flat panel – 23 dBi Connectorized; Can operate with a selection of separately-purchased single- and dual-polarity antennas through 2 x N-type female connectors (local regulations should be checked prior to purchase)
RANGE	Up to 124 miles (200 km)
SECURITY	FIPS-197 compliant 128/256-bit AES Encryption (optional) HTTPS and SNMPv3 ³ Identity-based user accounts Configurable password rules User authentication and RADIUS support Event logging and management; optional logging via syslog Disaster recovery and vulnerability management
ETHERNET BRIDGING	
PROTOCOL	IEEE 802.3
USER DATA THROUGHPUT	Dynamically variable up to 450 Mbps Maximum conditions – 2x2, 45 MHz channel, 256 QAM Flexible spectral efficiency / capacity licensing model: Lite Capacity: Up to 125 Mbps Mid Capacity: Up to 250 Mbps Full Capacity: Up to 450 Mbps Also available with licenses limiting maximum channel bandwidth
LATENCY	1 – 3 ms one-direction latency
QoS	8 Queues
PACKET CLASSIFICATION	Layer 2 and Layer 3 IEEE 802.1p, MPLS, Ethernet priority
PACKET PERFORMANCE	Line rate (>850K packets per second)
TIMING TRANSPORT	Synchronous Ethernet; IEEE 1588v2
FRAME SUPPORT	Jumbo frame up to 9600 bytes
FLEXIBLE I/O	2 x Gigabit Ethernet copper ports: Gigabit Port 1: Data + PoE power input Gigabit Port 2: 802.3at PoE output port SFP port (single-mode fiber, multi-mode fiber, and copper Gigabit Ethernet options available)
T1/E1 TDM SUPPORT	8 x T1/E1 TDM (Network Indoor Unit (NIDU)) G.823-compliant timing DC power input (compatible with AC+DC Power Injector output)
T1/E1 LATENCY (ONE WAY)	1 to 3 ms typical depending on range, bandwidth, modulation mode and number of T1/E1 ports; accurate T1/E1 latency figures can be determined for any given configuration using the Cambium PTP LINKPlanner

Specifications

SPECIFICATION SHEET: PTP 650

MANAGEMENT & INSTALLATION	
LED INDICATORS	Power status, Ethernet link status, and activity on Extended Range PoE supply
NETWORK MANAGEMENT	In-band and out-of-band management (OOBM)
SYSTEM MANAGEMENT	IPv6/IPv4 dual-stack management support Web access via browser using HTTP or HTTPS/TLS ¹ SNMP v1, v2c and v3, MIB-II and proprietary PTP MIB Cambium Wireless Manager, WM 4.0/SP4 or higher Online spectrum analyzer (no impact on payload traffic or network operation)
INSTALLATION	Built-in audio and graphical assistance for link optimization
CONNECTION	Distance between outdoor unit and primary network connection: up to 330 feet (100 meters) using Power-over-Gigabit Ethernet; longer distances up to 984 feet (300 meters) can be achieved using fiber interface
PHYSICAL	
DIMENSIONS	Integrated Outdoor Unit (ODU): Width 371mm (14.6"), Height 371mm (14.6"), Depth 81mm (3.2") Connectorized ODU: Width 204mm (8.0"), Height 318mm (12.5"), Depth 90mm (3.5")
WEIGHT	Integrated ODU: 4.1 kg (8.95 lbs) including bracket Connectorized ODU: 3.1 kg (6.8 lbs) including bracket
OPERATING TEMPERATURE	-40° to +140° F (-40° to +60° C), including solar radiation
DUST-WATER INTRUSION PROTECTION	IP66 and IP67
WIND SPEED SURVIVAL	200 mph (322 kph)
POWER SUPPLY	Two options: AC power injector: 32° to 104° F (0° to +40° C); 35 W; 90-240 VAC, 50/60 Hz Dimensions: Width 5.2" (132mm), Height 1.4" (36mm), Depth 2" (51mm) AC + DC power injector: -40° to 140° F (-40° to +60° C); 70 W; 90-240 VAC, 50/60 Hz Dimensions: Width 9.75" (250 mm), Height 1.5" (40 mm), Depth 3" (80 mm)
POWER CONSUMPTION	30 W maximum (up to 70 W with 802.3at device on auxiliary port)
ENVIRONMENTAL & REGULATORY	
PROTECTION AND SAFETY	UL60950-I; IEC60950-I; EN60950-I; CSA-C22.2 NO. 60950-I; CB approval for Global
RADIO	4.9 GHz: FCC Part 90Y, RSS-III 5x GHz: FCC Part 15, sub-parts 15C and 15E; RSS 210 Issue 8; EN 302 502; EN 301 893 Eire ComReg 02/71R1, UK Approval to IR2007
EMC	Europe – EN 301 489-1 and -4

¹ Regulatory conditions for RF bands should be confirmed prior to system purchase. All bands use the same hardware.

Individual bands and channel widths are available pending local regulatory approvals and region code licenses.

² Gain, maximum transmit power and effective radiated power may vary based on regulatory domain and region code license.

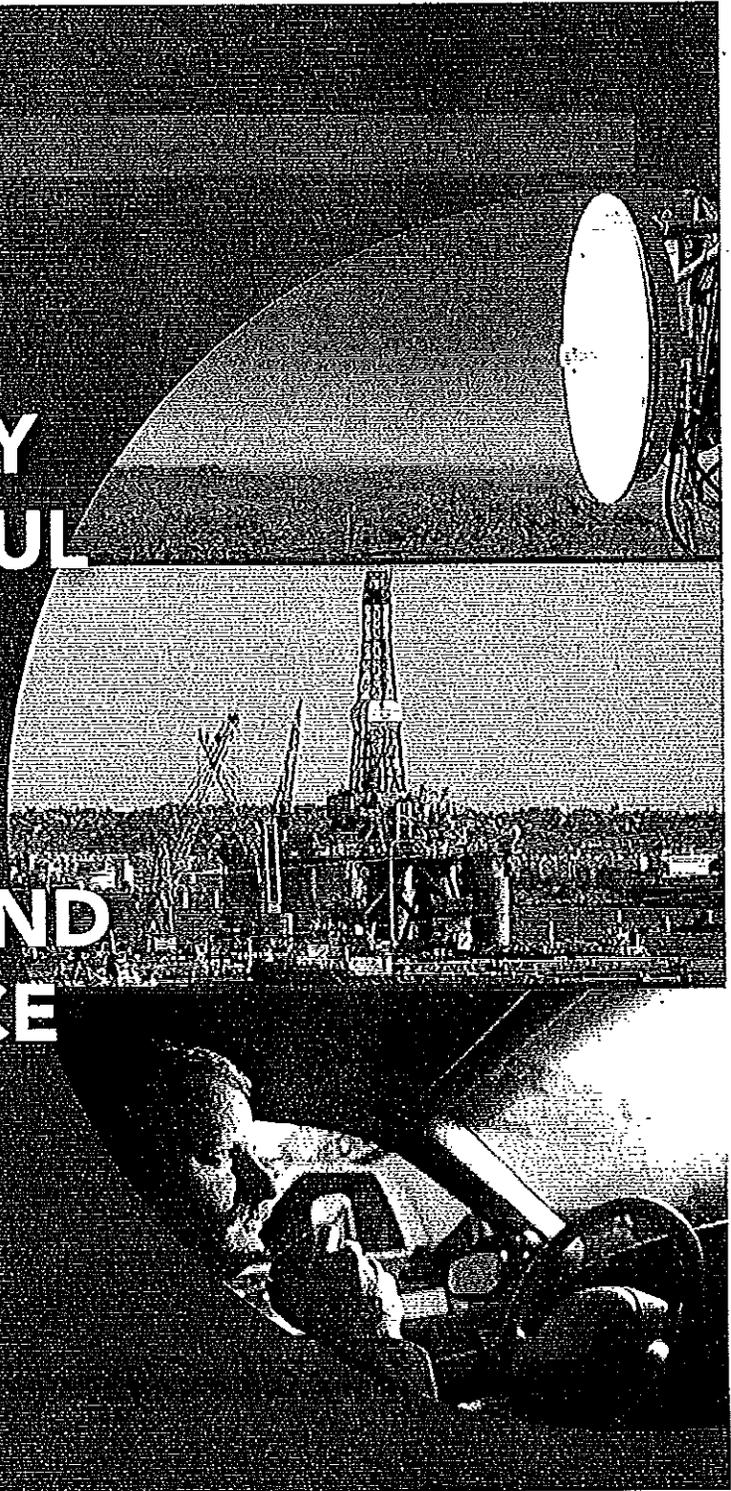
³ Web access via HTTPS/TLS is available on AES-enabled radios.



CAMBIUM PTP 650 SERIES

UNRIVALED CONNECTIVITY AND BACKHAUL FROM THE INDUSTRY LEADER IN RELIABILITY AND PERFORMANCE

UP TO 450 MBPS WITH SUB-6 GHZ,
HIGH-CAPACITY, NON-LINE-OF-SIGHT
POINT-TO-POINT BACKHAUL SOLUTIONS



COMMUNICATE WITH MORE SPEED, RELIABILITY, VERSATILITY, AND SECURITY

The last decade has seen massive growth in converged data, voice and video traffic globally. This growth has been, and continues to be, driven by escalating demands for video content, smart-device adoption and usage, advanced Long-Term Evolution (LTE), and small-cell technologies.

Tomorrow promises to bring an explosion of enterprise applications for smart phones and tablets. Designed to boost employee productivity and increase customer acceptance, these mission-critical applications will require high bandwidth, throughput, and security to efficiently support vital infrastructure. All signs indicate that data, voice, and video traffic will continue to grow exponentially as more and more devices share applications and information.

The available spectrum is becoming scarce, and network operators are looking to sub-6 GHz solutions to fill the void. When deploying a sub-6 GHz solution for mission-critical applications, it is essential that the system be able to overcome a wide array of environmental challenges such as obstructions, interference, over-water fading, and severe weather conditions.

At Cambium Networks, we are focused on supplying ultra-reliable solutions that accommodate ever-escalating requirements for reliability, speed, versatility, and security. Our Dynamic Spectrum Optimization, narrow channel operations, and high spectral efficiency make our Cambium PTP 650 Series wireless Ethernet bridges the lowest-risk approach to sub-6 GHz deployment. We have engineered PTP 650 systems to deliver industry-leading, rapid-deployment and future-proof connectivity and backhaul for high-performance networks. As a result, you can communicate virtually anywhere and scale to meet future requirements.

GET THE BEST FROM YOUR PTP BACKHAUL SOLUTION

OPTIMAL PERFORMANCE

As you evaluate wireless options for your requirements, you want the best the industry has to offer at the best possible price. True value encompasses the relationship between the manpower and money you invest and the speed, reliability, versatility, security, and support you receive. In each of these categories, our PTP 650 solution gets the highest rating.

PTP 650 systems are designed and engineered with the same industry-vetted, field-proven Cambium technology that made our PTP 600 solution the best in its class. In the PTP 650, we elevated that technology to present our latest best-in-class solution. The result is that the PTP 650 delivers unsurpassed performance in its category.

PERFORMANCE DIFFERENTIATORS
Highest throughput
Highest spectral efficiency
Most reliable NLOS performance
Greatest range
Most powerful interference mitigation
Best channel optimization
Most flexible input-output options
Industry-leading link planning tool

Our global sales and support teams provide unmatched assistance throughout the sales process, system design and deployment, operations, and management. Because we focus on wireless broadband exclusively, we have the experience and expertise to help you optimize your network infrastructure and achieve your communication goals.

With our top performance, best-in-class support, and competitive price point, you can rely on the Cambium PTP 650 to offer the highest performance and value in point-to-point wireless connectivity.

ENGINEERED FOR BEST RESULTS

The PTP 650 represents the culmination of deployment experiences and customer feedback from more than 75,000 point-to-point links deployed worldwide over the past eight years. The solutions are engineered with advanced technology that delivers a wide range of connectivity and backhaul functions, supports diverse and evolving network requirements, and empowers your customers and users through innovation.

With wireless communications, there are many environments that pose serious performance and reliability challenges such as obstructions, weather, water, distance, and interference. In these situations, a solution's technology is rigorously tested, and many comparable systems drop packets or cannot even make a connection. PTP 650 radios are engineered to handle these challenges and supply carrier-grade reliability and high-performance connectivity in the most challenging environments. As a result, you can depend on your PTP 650 system to out-perform comparable systems and operate flawlessly.

SUPERB VERSATILITY

No wireless solution is useful unless it easily and seamlessly integrates into your existing network infrastructure. Operating as layer 2 Ethernet bridges, our PTP 650 radios provide the versatility you need to configure and deploy a broadband solution that works with your existing network and network-management infrastructure while delivering the highest-level of reliability and efficiency.

CAMBIUM PTP 650 SERIES SOLUTIONS

PTP 650 (4.9 TO 6.05 GHz) Integrated

PTP 650 (4.9 TO 6.05 GHz) Connectorized

Available in Integrated and Connectorized versions, each PTP 650 radio supports multi-band functionality operating between 4.9 and 6.05 GHz radio frequencies, using channel bandwidths ranging from 5 MHz to 45 MHz (where local regulations allow). The Integrated models have a built-in, high-performance directional antenna. Connectorized models can be fitted with separately-purchased, external antennas, including up to 8-foot dishes and spatially diverse configurations. They deliver superior performance over long distances and in extremely adverse environments, including near- and non-line-of-sight scenarios.

Multiple input-output options add more flexibility to configure the best solution for your network requirements. With a wide range of configuration options and internal controls, you can customize PTP 650 links based on your particular network infrastructure, communication objectives, and environmental conditions. Input/output features include a fiber interface, out-of-band management, and an auxiliary 1000 Base-T 802.3at PoE output port. The 802.3at output option allows you to power another device such as a video camera or wireless access point at the top of the tower.

FUTURE-PROOF EXPANDABILITY

PTP 650 systems offer selectable channel sizes with varying data rates to configure bandwidth and throughput based on your requirements. As an example, you can begin with up to 125 Mbps capacity. At anytime, you can increase throughput in a single step or incremental steps up to 450 Mbps. Each increase is initiated via software-activated license keys and does not require hardware changes. You also have the ability to synchronize multiple PTP 650 links, allowing multiple radios to co-exist on a single tower and in a small geographic area while minimizing self-interference.

PTP 650 TIERED CAPACITY	
CAPACITY LEVEL	MAXIMUM THROUGHPUT
Lite Capacity	125 Mbps
Mid Capacity	250 Mbps
Full Capacity	450 Mbps

BETTER SPECTRUM UTILIZATION

PTP 650 radios provide as much as 60 percent higher spectral efficiency than comparable systems. This means you can deliver higher-throughput with minimal spectrum usage. For example, a PTP 650 system can deliver 200 Mbps in a 20 MHz channel versus the typical 100 Mbps offered by other technologies such as 802.11n. In addition, a PTP 650 monitors all available channels and dynamically selects the optimal channel to sustain the highest data rate with the greatest reliability. As a result, the PTP 650 link is always

self-optimizing without intervention from an operator. There is also an option to manually lock the frequency (in either direction) and restrict each link to specified frequencies.

GREATER RANGE AND SPEED

PTP 650 solutions offer a high link budget and high power, enabling your network to get more capacity at all ranges up to 450 Mbps maximum. In typical applications, PTP 650 systems support a link budget that provides more than twice the range relative to comparable systems. The radios deliver up to 27 dBm transmit power to provide the greatest range. Equally important, the PTP 650 delivers 23dBm at 64QAM and 256QAM to push even the highest performing links to longer distances. Integrated models are configured with 23 dBi antennas, while Connectorized models can support up to 8-foot dishes. (Link budgets and antenna sizes are dependent on local regulatory rules, and the PTP LINKPlanner tool will precisely predict link performance and availability.)

CONNECT WITH CAMBIUM, THE INNOVATION LEADER IN WIRELESS BROADBAND

POWERFUL FEATURES

Cambium PTP 650 systems set the standard for sub-6 GHz performance with such important features as:

- Up to 450 Mbps Aggregate Throughput
- Low Latency – 1 to 3 Milliseconds Typical One-Way
- Multi-Band Functionality with 4.9 to 6.05 GHz in a Single Radio
- Best Non-Line-of-Sight (NLOS) Performance
- Five-9's Reliability Even in Challenging Conditions
- High Spectral Efficiency – 10 bps/Hz Maximum
- Up to 124 Miles (200 Kilometers) Reach
- Multi-Bandwidth Flexibility – 5, 10, 15, 20, 30, 40, 45 MHz
- Always-On, In-Band, Online Spectrum Analyzer
- Symmetrical, Asymmetrical, and Adaptive TDD Ratios

Dynamic Spectrum Optimization (DSO) for Interference Avoidance

IPv4/IPv6 Dual-Stack Management

Secure Management Interfaces (SNMPv3, HTTPS/TLS)

Secure Over-the-Air Communications (128/256-bit AES Encryption)

802.3at PoE Output Port

Fiber and Copper, GigE SFP Port Options

In-Band and Out-of-Band Management (OOBM)

8-Port T1/E1 TDM Module (Rack-Mountable Indoor Unit)

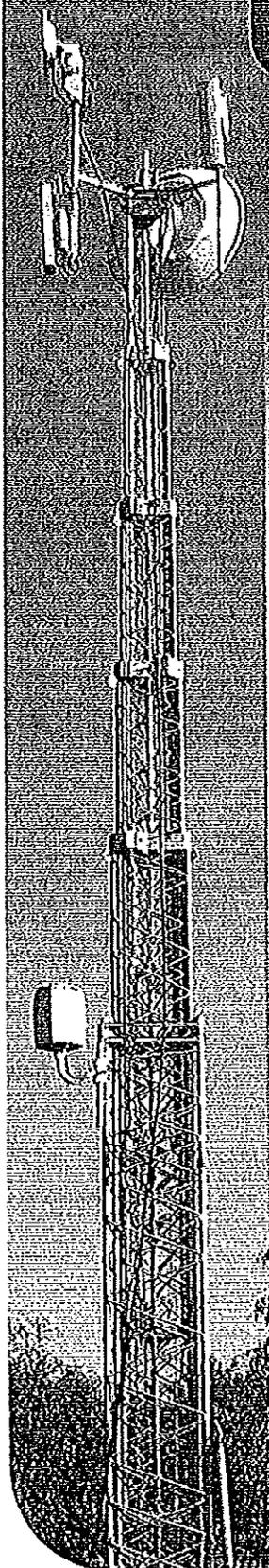
Extreme Durability with 40 Years Mean Time Between Failures (MTBF)

Future-Proof, Software-Configurable Radios

Capacity Upgrade Licenses

MULTI-LEVEL SECURITY

- 128/256-Bit AES Encryption
- HTTPS/TLS and SNMPv3
- Identity-Based User Accounts
- Configurable Password Rules
- User Authentication and RADIUS Support
- Event Logging and Management
- Syslog Support
- Vulnerability Management



TECHNOLOGICAL ADVANTAGES

The PTP 650 platform is built on the Cambium Networks point-to-point technologies that you have come to know and respect. We have sharpened existing technologies and added new technologies to further increase performance, reliability, and versatility.

FAST, PREEMPTIVE, ADAPTIVE MODULATION

PTP 650 systems adapt rapidly to changing field conditions with Fast Adaptive Modulation (FAM). Each radio has error coding functionality and 13 modulation combinations that are automatically selected for each individual frame based on analysis of the previous incoming frame. These rapid adjustments greatly increase link reliability and efficiency.

DYNAMIC SPECTRUM OPTIMIZATION (DSO)

Our unique DSO capability automatically optimizes each link for maximum reliability and performance. With DSO, PTP 650 links use the in-band, online spectrum analyzer to continually scan the entire operational band, seeking channels that may deliver higher performance and reliability without impacting the operational link. You can configure DSO to automatically jump to the optimal channel with no operator intervention. Additionally, PTP 650 systems support split-frequency operation, allowing each direction of a link to operate on a different channel. This feature mitigates the negative impact of situations where the interference environment is different at each end of the link. The time-stamped database tracks events, alerts an operator of any interference that triggers channel changes, and provides statistics that help to pinpoint the channels with the clearest data paths. With DSO, you can be confident that your PTP 650 links are self-optimizing to operate on the best available channel.

NON-LINE-OF-SIGHT OPERATIONS

The PTP 650 delivers proven near-line-of-sight and non-line-of-sight performance through a combination of features including a unique adaptive frame structure, fast adaptive modulation, 1024-subcarriers, split-frequency operation, and spatial diversity.

TIME DIVISION DUPLEX (TDD) SYNCHRONIZATION

TDD capability synchronizes transmit and receive signals and enables efficient frequency re-use. Of great importance to service providers, this capability allows the deployment of multiple radios on a rooftop or tower with greatly reduced self-interference. Our Cambium TDD-SYNC synchronization module provides the links with an accurate timing reference for installations where multiple radios will be deployed on a single tower or within range of each other.

SYNCHRONOUS ETHERNET (SyncE) AND 1588v2 PRECISION TIMING

As service providers migrate to 4G next-generation networks such as LTE, sub-6 GHz backhaul is highly recommended. Precise timing and frequency references are critical in these networks to support interoperability, frequency re-use, and scalability. The PTP 650 supports both 1588v2 (timing) and Synchronous Ethernet (frequency) delivery over the wireless backhaul link.

IPv6/IPv4 DUAL-STACK MANAGEMENT SUPPORT

IPv6 support is becoming more important as the global supply of IPv4 addresses becomes fully allocated. PTP 650 systems support a dual-stack, IPv4/IPv6 networking stack, allowing you to deploy and manage PTP 650 systems in an IPv6 or IPv4 network. If the initial deployment of the PTP 650 was in an IPv4 network, the system is IPv6-ready for future migration.

THIRD-GENERATION MECHANICAL PACKAGING

PTP 650 radios have protective aluminum enclosures that are Ingress Protection (IP66/67) rated against dust and water intrusion to withstand the rigors of outdoor use and temperatures from -40° to +140° F (-40° to +60° C). Utilizing third-generation mechanical design, the radios incorporate features to simplify installation and maximize reliability.

INFORMATION SECURITY IS NON-NEGOTIABLE

REASSURING, ROBUST SECURITY

In today's world, the security of any and all communications is a major concern. Whether you are a service provider, government agency, or business enterprise, the confidentiality of over-the-air transmissions and secure access to management interfaces needs to be ensured. At Cambium, we have deployed significant financial and manpower resources to provide you with the highest level of information security and protect your wireless communications from malicious attack.

ENCRYPTION

PTP 650 systems support FIPS-197 compliant 128-bit and 256-bit Advanced Encryption Standard (AES) encryption via an optional software license upgrade.

MANAGEMENT INTERFACE PROTECTION

HTTPS/TLS, the secure version of HTTP, has been implemented to protect the system's management interface. PTP 650 radios also support installation of user-provided X.509 digital certificates. Simple Network Management Protocol version 3 (SNMPv3) adds security to SNMP. In certain cases, a license key is required to implement these capabilities.

IDENTITY AND EVENT MANAGEMENT

You can enable identity-based user accounts with configurable password rules to control user access to the radios. Remote Authentication Dial In User Service (RADIUS) can be used to remotely authenticate your users and their levels of access based on network policies.

AUDITING AND EVENT MANAGEMENT

Security-related and other events are logged locally and can optionally be sent to a centralized logging server using syslog. Such messages include: successful and failed log-in events and changes to the security configuration.

DISASTER RECOVERY

Our "save and restore" feature lets you back up a radio's operating configuration file. The file can be restored quickly and easily if a unit must be reset or replaced.

VULNERABILITY MANAGEMENT

We regularly scan PTP 650 software using industry-standard tools to probe for vulnerabilities. Those that pose risk are resolved.

FIPS 140-2

FIPS 140-2 validation is in process. Since the PTP 650 is based on previously validated software in the PTP 600, many of the FIPS-required features are available now.

EASY, ACCURATE LINK PLANNING

Our easy-to-use Cambium PTP LINKPlanner tool lets you accurately predict performance characteristics and verify the success of your project prior to purchase based on your specific radio path conditions and tower locations. You can plan and optimize a single link or multiple links simultaneously, apply "what if" scenarios, see the effects of your changes immediately, generate a PTP 650 Bill of Materials (BOM), and obtain configuration details to speed deployment. LINKPlanner is available at no charge as a stand-alone tool and can be downloaded from our web site.

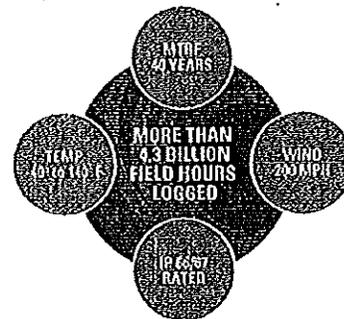
SYSTEM MANAGEMENT YOUR WAY

Easy to use and deploy, PTP 650 systems contain embedded web servers to manage a link either locally or remotely. The servers are designed to easily integrate with Web or SNMP-based management systems as well as our Wireless Manager software, version WM 4.0/SP4 or higher.

The systems support both in-band and out-of-band management. In-band management gives you the convenience to manage the far end of a link from the near end and imposes virtually no performance restrictions on your customer or user traffic. Out-of-band management (OOBM) lets you manage your radios over a separate local-area-network (LAN) connection from either end of the link. With this management method, you can separate the management traffic from your customer or user traffic. Both options are designed to help you quickly troubleshoot links and reduce the need to travel to individual radio sites.

PERFORMANCE BOOSTING TOOLS

PTP 650 systems include industry-leading metrics to help you attain the best possible performance from your wireless system. Those metrics include antenna alignment information, measurements of throughput, signal level, signal quality, and troubleshooting diagnostics.



SUPERB DEPENDABILITY

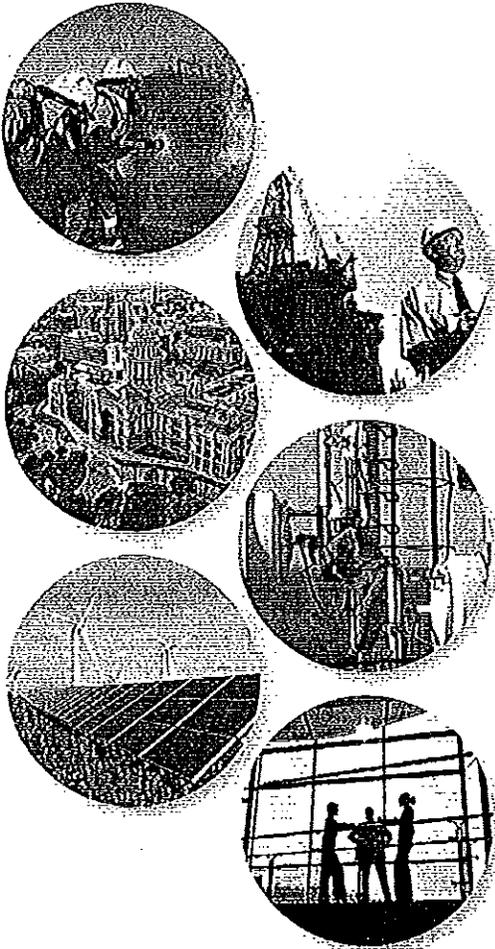
With more than 4.3 billion field hours logged, our PTP radios are proven to withstand the rigors of outdoor use. Radios perform flawlessly in winds up to 200 mph (322 kph) and temperatures from -40° to 140° F (-40° to 60° C). Our PTP 650 systems average 40 years MTBF (Mean Time Between Failures) based on field component failure rates. IP 66/67 (Ingress Protection) rated protective aluminum enclosures protect the radios against dust and water intrusion.

LET OUR PTP 650 SOLUTION SERVE YOUR CONNECTIVITY NEEDS

PTP 650 USES AND APPLICATIONS

With more than 75,000 point-to-point systems deployed in more than 150 countries, you can be confident that we have a solution that will fit your application requirements.

- Leased-Line and Fiber Replacement
- Video Surveillance
- Network Redundancy
- Wire-Line and Wireless Network Extensions
- IP Network Migration
- High-Definition (HD) Video
- Video Conferencing
- Voice-over-Internet Protocol (VoIP)
- Disaster Recovery and Emergency Services
- Communications for Special Events
- Distance Learning
- Telemedicine
- Building-to-building and Campus Communications



Public Safety

- Real-time database access
- P25-compatible connectivity between base sites
- Last mile access
- Land-mobile radio (LMR) backhaul
- Secondary links
- On-scene monitoring
- Tactical deployment for first responders

Benefits: Increased intra- and inter-agency collaboration, improved emergency response and situational awareness, better utilization of resources, and increased productivity

Oil and Gas

- Communications during turnarounds
- Process Control Systems (PCS) backhaul
- Offshore-to-onshore or offshore-to-offshore communications
- Backhaul over long distances and in extremely hostile environments

Benefits: Increased productivity, continuous flow of information, quickly deployed communications, additional capacity, and uninterrupted critical operations

Government

- Border control
- Rapid deployment for emergencies and special events
- Emergency preparedness
- Disaster recovery
- Inter-agency and intra-agency communications
- Multiple radios on a tower or rooftop or in a dense network configuration

Benefits: Increased inter- and intra-agency collaboration, anytime access to vital information, increased productivity, ongoing communications during emergencies and events

Service Providers

- 4G/LTE and macro-cell backhaul
- Small-cell backhaul
- Added capacity
- Service extensions
- Collocation of radios on a tower or rooftop or in a dense-network configuration
- HD video
- Last-mile access
- Wi-Fi offloading

Benefits: Timely responses to market changes, ability to cost-effectively capitalize on new opportunities, more profitable service offerings, service to underserved and remote customers, and cost-effective infrastructure improvements

Utilities

- Remote monitoring
- AMI connectivity backbone
- Links to remote, rural facilities
- In-field reporting and collaboration
- Analog-to-digital migration
- Increased backbone capacity
- Last-mile fiber extensions

Benefits: Improved energy efficiency, better insight into power usage, improved access to transmission, distribution and consumption data, increased productivity, reduced leased-line and fiber fees, smoother transition to a digital infrastructure

Business Enterprises

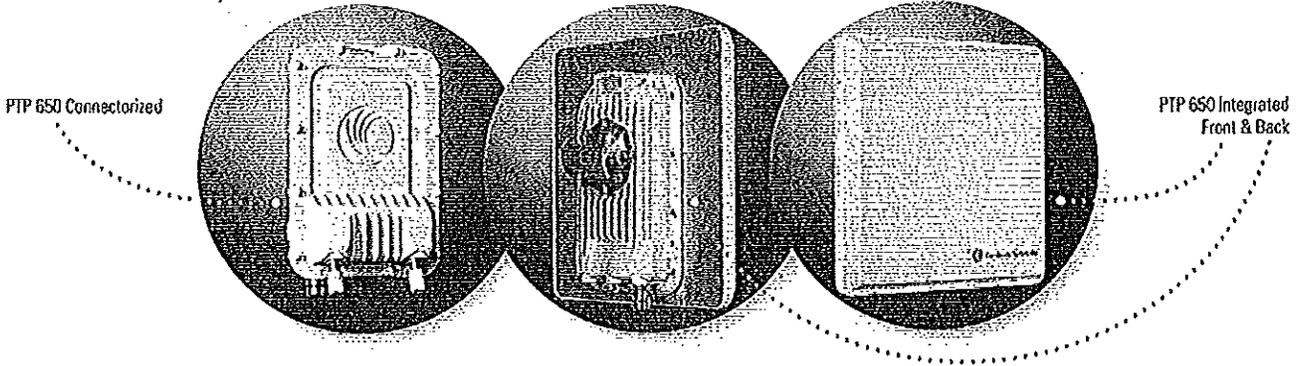
- Real-time data access
- Communications from a headquarters location to remote facilities
- On-demand video
- Online training
- Video conferencing
- Disaster planning and recovery
- Video surveillance and security

Benefits: Improved business continuity, reduced leased-line and fiber fees, increased productivity, better inter- and intra-department collaboration, and enhanced physical security

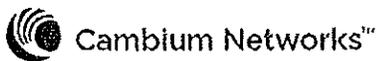
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PTP 650 01-00 BR 101713

9a

Gail Miller

From: Maryanna Stevens
Sent: Saturday, December 05, 2015 1:37 PM
To: Ron Fedor; Anthony Jessuck Jr; Elizabeth Sabilia; John W. Sheehan; Cheryl Larder; James Reid; Norman Glidden
Cc: Gail Miller
Subject: Fwd: Budget Deficit Special Session: CCM Urges Discussions with State Legislators
Attachments: 15-56 Special Session.pdf; ATT00001.htm

FYI

Maryanna Stevens, CPA
Director of Finance
Town of Waterford
15 Rope Ferry Road
Waterford, CT 06385

860-444-5842

Begin forwarded message:

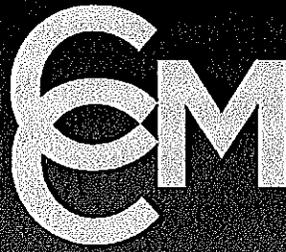
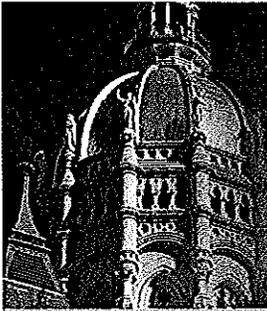
From: CCM Public Policy and Advocacy <CPolicyandAdvocacy@CCM-CT.ORG>
Date: December 4, 2015 at 2:53:46 PM EST
To: undisclosed-recipients;;
Subject: Budget Deficit Special Session: CCM Urges Discussions with State Legislators

Governor Malloy and legislative leaders have reportedly reached a tentative agreement to address the budget shortfall -- estimated to be between \$118 million and \$330 million -- for *this fiscal year*. As previously reported, the Governor has already made \$15 million in mid-year cuts in municipal aid. The prospect of additional, significant mid-year cuts is very real.

The Special Session is scheduled for Tuesday, December 8. Before the legislature convenes, it is imperative that state legislators understand the impact that such cuts would have on your town/city -- in terms of services, taxes and staffing.

For more information, please see the attached CCM Legislative Alert or visit CCM's [Legislative Action Center](#).

Regards,
CCM Public Policy & Advocacy Staff



December 4, 2015 , Number 15-56

Legislative Alert

900 CHAPEL STREET, 9th FLOOR, NEW HAVEN, CT 06510 • (203) 498-3000

Your source for local government management information www.ccm-ct.org

PLEASE DELIVER IMMEDIATELY TO ALL CCM-MEMBER MAYORS, FIRST SELECTMEN, AND TOWN/CITY MANAGERS

Your Action Needed

Budget Deficit Special Session: CCM Urges Discussions with State Legislators

Governor Malloy and legislative leaders have reportedly reached a tentative agreement to address the budget shortfall -- estimated to be between \$118 million and \$330 million -- for *this fiscal year*. As previously reported, the Governor has already made \$15 million in mid-year cuts in municipal aid. The prospect of additional, significant mid-year cuts is very real.

The Special Session is scheduled for Tuesday, December 8. Before the legislature convenes, it is imperative that state legislators understand the impact that such cuts would have on your town/city -- in terms of services, taxes and staffing. The business, hospital, and social services communities are contacting state legislators to urge them to consider their plight during budget negotiations. **Please ensure that the plight of the property taxpayer is front and center in their minds also.**

Once specific details are released regarding the deficit mitigation plan, CCM will provide members with an overview, along with the specific impact the plan may have on your municipality.

YOUR ACTION NEEDED

Contact your state legislators. Tell them:

- ◆ **Towns have already passed their budgets, and reductions in promised funding leave municipalities with few options.** Additional cuts without accompanying meaningful and immediate mandates relief mean (a) further cuts in necessary local services, (b) higher property taxes, (c) more employee layoffs, and/or (d) dangerous reductions in municipal fund balances.
- ◆ **How additional cuts will impact the average family in your community, or a particular service or group of employees.**
- ◆ **Municipalities have already endured a mid-year \$15 million cut in aid.** These cuts had a disproportionate impact on our poorest communities.

###

If you have any questions on this bulletin, please contact Joe DeLong (jdelong@ccm-ct.org; 203-498-3010), Ron Thomas (rthomas@ccm-ct.org; 203-430-5537), Randy Collins (rcollins@ccm-ct.org; 860-707-6446) or Michael Muszynski (mmuszynski@ccm-ct.org; 203-500-7556).

**For the most up-to-date news on legislative issues affecting municipalities --
see CCM's Legislative Action Center at www.ccm-lac.org**

**Board of Finance
Liaison Appointments
2015-2016**

Cheryl Larder	Board of Education
James Reid	Board of Selectmen
James Reid	Utility Commission
Norman Glidden	Recreation & Parks Commission
Anthony Jessuck Jr.	Police Commission
Elizabeth Sabilia	Senior Citizens Commission
Ronald Fedor	Youth Services Advisory Council
Elizabeth Sabilia	Emergency Management Advisory Council
Cheryl Larder	Information Technology Committee
John W. Sheehan	Ad Hoc Committee – Social Service Grants
John W. Sheehan	Fleet Management Ad Hoc Committee
John W. Sheehan	Retirement Commission (2 year term – expires 12/31/2017)
Alan Wilensky	School Building Committee (2 year term – expires June 30, 2016) (until replaced)
James Reid	RTM Long Range Fiscal Planning Committee
Ronald Fedor	RTM Long Range Fiscal Planning Committee
Ronald Fedor	Mago Point Redevelopment Ad-Hoc Committee (STEAP)
Ronald Fedor	Representative Town Meeting
Cheryl Larder	Municipal Complex Improvements Building Committee

Approved by Board of Finance
12/09/15

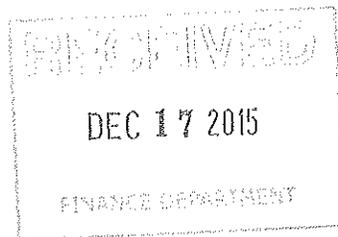
9c

FIFTEEN ROPE FERRY ROAD



WATERFORD, CT 06385-2886

December 15, 2015



Daniel Steward, First Selectman
Town of Waterford
15 Rope Ferry Road
Waterford, CT 06385

RE: APPLICATION #PL-15-21/1000 HARTFORD TURNPIKE
MUNICIPAL COMPLEX IMPROVEMENTS PHASE II
CGS 8-24 APPROVAL

Dear Mr. Steward:

At its meeting on December 14, 2015, the Planning & Zoning Commission took the following action in regard to the above referenced application:

APPROVED:

Application #PL-15-21 – Request of Town of Waterford Department of Public Works and Utility Commission for municipal improvement in accordance with Section 8-24 of the Connecticut General Statutes for Municipal Complex Renovations, Phase II.

This approval and attached minutes constitutes a report required under CGS 8-24 of the Connecticut General Statutes. A copy of this letter should be included with any request for funds or authorization for grant applications. If you have any questions, please do not hesitate to call this office.

Sincerely,

Joseph Auwood, Chairman
Planning & Zoning Commission

By:

Abby Y. Piersall, AICP
Planning Director

- cc: RTM Moderator
- ✓ Chairman, Board of Finance
- Director, Department of Public Works
- Chief Engineer, Utility Commission
- Director of Finance
- Chairman, Municipal Complex Building Committee
- Town Clerk

MINUTES

RECEIVED FOR RECORD
WATERFORD, CT

Planning & Zoning Commission
Waterford Town Hall

December 14, 2015
15 DEC 15 PM 1:14
6:30 PM

Members Present: J. Auwood, J. Bunkley, S. Stotts (2 Vacancies)
Alternates Present: B. Chenard, M. Mazzella
Alternates Absent: E. Maguire
Staff Present: A. Piersall, Planning Director; M. Wujtewicz, Planner; T. Lane,
Zoning Official; D. Choisy, Recording Secretary

[Signature]
TOWN CLERK

1. CALL TO ORDER AND APPOINTMENT OF ALTERNATES

Acting Chairman Auwood called the meeting to order at 6:30 and appointed M. Mazzella and B. Chenard to sit for the vacancies.

2. APPROVAL OF MINUTES

MOTION: Motion made by J. Bunkley, seconded by B. Chenard, to approve the minutes of the November 16, 2015 meeting as written.

VOTE: 5-0

3. RECEIPT OF APPLICATIONS

#PL-15-21 -- Request of Town of Waterford Department of Public Works and Utility Commission for municipal improvement in accordance with Section 8-24 of the Connecticut General Statutes for Municipal Complex Renovations, Phase II.

M. Wujtewicz stated that this application is in order for receipt, and appears next on the agenda for the Commission's review.

4. APPLICATION REVIEWS

#PL-15-21 -- Request of Town of Waterford Department of Public Works and Utility Commission for municipal improvement in accordance with Section 8-24 of the Connecticut General Statutes for Municipal Complex Renovations, Phase II.

Town of Waterford Chief Engineer Neftali Soto presented this application to the Commission. He stated that Phase I of the renovation was completed in 2009, and this 8-24 request is for the funding to complete Phase II. Phase II involves renovation of the main building, which includes the DPW equipment garage, shops and WUC/DPW administrative offices. He reviewed photographs of the conditions of the existing buildings, and noted that it used to be a textile mill. The proposed renovations are needed to comply with current safety codes. The footprint of the building will be reduced, and he reviewed the proposed layout. The project will have to come back before the Commission for site plan and special permit approval. The cost of the renovations is estimated at 9 to 11 million dollars. He stated that site remediation of an existing contamination plume from a formerly removed underground storage tank is included in the renovation project.

M. Wujtewicz stated that the Commission has to make findings that the proposal is consistent with the Town's Plan of Preservation, Conservation and Development. He noted that the project as presented is consistent with the POCD as infrastructure and facility improvements. A CGS §8-24 project report of consistency can be provided to the Municipal Complex Building Committee if the

Commission approves the application. A site plan and special permit approval is required for this project. He also noted that stormwater quality measures will need to be implemented within the site plan.

B. Chenard stated concerns with soil contamination. N. Soto said the site will be investigated and remediated

J. Bunkley and M. Mazzella asked why a conventional HVAC system is being proposed as opposed to geothermal, or other alternate systems. N. Soto replied that the potential costs and the Town's previous experience with geothermal were considered. He noted that the plans are not 100% complete at this time.

MOTION: Motion made by S. Stotts, seconded by J. Bunkley, to approve application #PL-15-21, and forward a favorable report to the Board of Selectmen with the condition that alternative heating systems be investigated.

VOTE: 5-0

#PL-15-15 – Request of Marie Aydelotte Turner & Jeannette Farley Burr, owner; Sawyer's Cove LLC, applicant; for an 11 lot subdivision for property located at 148 Oswegatchie Road and Shawandasse Rd. (North), R-40 zone, as shown on plans entitled "Sawyer's Cove Cluster Subdivision" revised through 7/22/15, sheets 1 through 13. A coastal site plan review is required in accordance with the Coastal Management Act.

M. Wujtewicz reviewed the memo drafted by Staff dated December 9, 2015 that outlines issues brought up during the public hearing. He stated that the draft homeowners documentation and declarations are currently under review by Town Counsel. There are items that need to be addressed, and Staff would like to have Town Counsel present at a future meeting to review these items with the Commission.

Chairman Auwood noted that some points were not addressed. A. Piersall stated that some were verbally addressed during the public hearing; others still need to be addressed.

Commission members agreed that the Town Attorney should be present for a future review of this application.

M. Wujtewicz reviewed some of the issues stated in Staff's memo, and noted that one of the items to consider is that the applicant should be required to contact the Office of the State Archeologist prior to any development activity taking place on the site.

B. Chenard stated that he would like to have clarification on some items. A. Piersall said that if any Commission members want additional information, to let Staff know. M. Wujtewicz stated that the Commission should review Section 3.16 of the Zoning Regulations and Section 7 of the Subdivision Regulations, noting that a cluster subdivision is different than a standard subdivision, and there are specific criteria & considerations that the Commission can implement within its decision.

The Commission will review this application further at a future meeting.

5. CORRESPONDENCE

No correspondence was reviewed.

6. ADMINISTRATIVE REVIEW

2016/2017 Budget

A. Piersall reviewed the proposed 2016/2017 budget with the Commission.

MOTION: Motion made by S. Stotts, seconded by M. Mazzella, to approve the draft 2016/2017 budget.

VOTE: 5-0

Mago Point Update

A. Piersall briefly updated the Commission on the progress of the proposed regulation revisions.

7. ADJOURNMENT

MOTION: Motion made by J. Bunkley, seconded by B. Chenard, to adjourn the meeting at 7:40.

VOTE: 5-0

Respectfully Submitted, _


Dawn Choisy,
Recording Secretary

9d.

Gail Miller

From: Maryanna Stevens
Sent: Wednesday, December 16, 2015 2:35 PM
To: anthony.jessuckjr@wellsfargoadvisors.com; Cheryl Larder (clarder@geraghtybonnano.com); Elizabeth Sabilia (beth@sabilialaw.com); James Reid (jreid43@att.net); John W. Sheehan (sheehanjw@sbcglobal.net); Norman Glidden (mnglidden@yahoo.com); Ron Fedor (ronald_r_fedor@sbcglobal.net)
Cc: Gail Miller; Dan Steward
Subject: FW: Cut to School Transportation Grant in Deficit Mitigation Package
Attachments: 2016GT-20151216_Public School Transportation Grant - Impact from PA 15-1, DSS.pdf

FYI

The impact to Waterford is a reduction of \$1,271 in FY16.

Maryanna

From: GEORGE RAFAEL [<mailto:GRAFAEL@CCM-CT.ORG>]
Sent: Wednesday, December 16, 2015 2:08 PM
Subject: Cut to School Transportation Grant in Deficit Mitigation Package

Good afternoon, everyone.

As you know, the deficit mitigation package that was approved last week included a \$1 million cut to the Transportation of School Children grant. Please see the attached information from OFA on the impact to each town and district.

Thanks.
George

George Rafael
Director of Government Relations & Research
CCM
Phone: 203-498-3063



OFFICE OF FISCAL ANALYSIS

Connecticut General Assembly

Room 5200, Legislative Office Building
Hartford, CT 06106 - (860) 240-0200

E-Mail: ofa@cga.ct.gov
www.cga.ct.gov/ofa

Public School Transportation Grant - Impact from PA 15-1, DSS

By: Sarah Bourne

Summary

Section 1 of PA 15-1, DSS (FY 16 Deficit Mitigation) allows the Office of Policy and Management to make reductions in allotments in FY 16 and FY 17 to various agencies and accounts listed in the act to achieve savings. The Department of Education's Transportation of School Children account¹ may be reduced by \$1 million. The table below reflects the impact of the \$1 million reduction, by town, to the Public School Transportation Grant.

¹The account reimburses districts in paying for safe and efficient transportation and also subsidizes the cost of school crossing guards to ensure the safety of children who walk to school. Grants are determined by local wealth, based on ranking of each district's Adjusted Equalized Net Grant List Per Capita (AENGLC). Each of the wealthiest seventeen towns is assigned a reimbursement percentage of zero; the remaining districts are each assigned a percentage between zero and sixty. Secondary and K-12 regional districts receive five and ten percentage point bonuses, respectively. No local or regional board of education may receive an entitlement of less than \$1,000, annually.

PUBLIC SCHOOL TRANSPORTATION

Municipality/Regional School District	FY 15 Est. \$	FY 16 Est. \$ ²	\$1 Million Reduction Prorated Based on FY 16 Est. \$	Revised FY 16 Est. \$ ³	FY 17 Est. \$ ²	Revised FY 17 Est. \$ ³
Andover	16,290	16,789	(720)	16,069	16,789	16,069
Ansonia	119,541	113,703	(4,874)	108,829	113,703	108,829
Ashford	40,943	35,348	(1,515)	33,833	35,348	33,833
Avon	15,585	12,953	(555)	12,398	12,953	12,398
Barkhamsted	18,844	17,982	(771)	17,211	17,982	17,211
Beacon Falls	-	-	-	-	-	-
Berlin	87,591	88,871	(3,809)	85,062	88,871	85,062
Bethany	11,705	9,364	(401)	8,962	9,364	8,962
Bethel	98,675	97,571	(4,182)	93,389	97,571	93,389
Bethlehem	-	-	-	-	-	0
Bloomfield	117,621	129,653	(5,558)	124,096	129,653	124,096
Bolton	31,715	29,842	(1,279)	28,562	29,842	28,562
Bozrah	19,912	20,011	(858)	19,153	20,011	19,153
Branford	76,733	65,415	(2,804)	62,611	65,415	62,611
Bridgeport	1,170,957	1,101,787	(47,227)	1,054,559	1,101,787	1,054,559
Bridgewater	-	-	-	-	-	-
Bristol	414,173	392,824	(16,838)	375,986	392,824	375,986
Brookfield	8,182	31,782	(1,362)	30,420	31,782	30,420
Brooklyn	116,344	119,601	(5,127)	114,474	119,601	114,474
Burlington	-	-	-	-	-	-
Canaan	1,994	3,636	(156)	3,480	3,636	3,480
Canterbury	84,900	83,266	(3,569)	79,697	83,266	79,697
Canton	45,232	44,738	(1,918)	42,821	44,738	42,821
Chaplin	26,833	26,889	(1,153)	25,737	26,889	25,737
Cheshire	171,761	161,615	(6,927)	154,687	161,615	154,687
Chester	3,755	4,201	(180)	4,021	4,201	4,021
Clinton	44,073	45,157	(1,936)	43,221	45,157	43,221
Colchester	175,278	169,747	(7,276)	162,471	169,747	162,471
Colebrook	2,925	2,837	(122)	2,715	2,837	2,715
Columbia	43,335	40,239	(1,725)	38,515	40,239	38,515
Cornwall	287	270	(12)	258	270	258
Coventry	148,335	131,713	(5,646)	126,067	131,713	126,067
Cromwell	34,534	44,877	(1,924)	42,954	44,877	42,954
Danbury	485,795	474,644	(20,345)	454,299	474,644	454,299

²FY 16 and FY 17 estimate is based on a prorated formula utilizing the original appropriation of \$23.3 million.

³FY 16 and FY 17 Revised estimated is based on the impact of the \$1 million reduction included in PA 15-1, DSS prorated utilizing the FY 16 estimated amount.

Municipality/Regional School District	FY 15 Est. \$	FY 16 Est. \$ ²	\$1 Million Reduction Prorated Based on FY 16 Est. \$	Revised FY 16 Est. \$ ³	FY 17 Est. \$ ²	Revised FY 17 Est. \$ ³
Darien	287	270	(12)	258	270	258
Deep River	8,301	6,092	(261)	5,831	6,092	5,831
Derby	72,339	68,065	(2,918)	65,148	68,065	65,148
Durham	-	-	-	-	-	-
East Granby	18,856	15,878	(681)	15,198	15,878	15,198
East Haddam	61,109	53,993	(2,314)	51,679	53,993	51,679
East Hampton	77,716	72,232	(3,096)	69,135	72,232	69,135
East Hartford	493,469	464,318	(19,903)	444,416	464,318	444,416
East Haven	222,517	206,021	(8,831)	197,190	206,021	197,190
East Lyme	56,736	49,596	(2,126)	47,470	49,596	47,470
East Windsor	110,946	107,511	(4,608)	102,902	107,511	102,902
Eastford	24,692	21,047	(902)	20,145	21,047	20,145
Easton	287	270	(12)	258	270	258
Ellington	150,827	140,297	(6,014)	134,283	140,297	134,283
Enfield	343,745	328,593	(14,085)	314,508	328,593	314,508
Essex	383	542	(23)	519	542	519
Fairfield	7,629	7,178	(308)	6,871	7,178	6,871
Farmington	26,238	15,815	(678)	15,137	15,815	15,137
Franklin	19,590	16,993	(728)	16,265	16,993	16,265
Glastonbury	100,240	85,385	(3,660)	81,725	85,385	81,725
Goshen	-	-	-	-	-	-
Granby	43,040	32,953	(1,413)	31,541	32,953	31,541
Greenwich	287	270	(12)	258	270	258
Griswold	157,626	151,742	(6,504)	145,238	151,742	145,238
Groton (Town of)	315,308	258,638	(11,086)	247,552	258,638	247,552
Guilford	32,672	32,929	(1,411)	31,517	32,929	31,517
Haddam	-	-	-	-	-	-
Hamden	598,254	577,226	(24,742)	552,484	577,226	552,484
Hampton	16,641	15,489	(664)	14,825	15,489	14,825
Hartford	1,534,960	1,444,288	(61,908)	1,382,380	1,444,288	1,382,380
Hartland	20,756	17,946	(769)	17,176	17,946	17,176
Harwinton	-	-	-	-	-	-
Hebron	38,010	33,053	(1,417)	31,637	33,053	31,637
Kent	1,938	2,727	(117)	2,610	2,727	2,610
Killingly	204,617	193,998	(8,316)	185,682	193,998	185,682
Killingworth	-	-	-	-	-	-
Lebanon	91,780	82,102	(3,519)	78,582	82,102	78,582
Ledyard	153,610	145,936	(6,255)	139,680	145,936	139,680
Lisbon	53,969	45,217	(1,938)	43,278	45,217	43,278
Litchfield	27,251	23,125	(991)	22,134	23,125	22,134

Municipality/Regional School District	FY 15 Est. \$	FY 16 Est. \$ ²	\$1 Million Reduction Prorated Based on FY 16 Est. \$	Revised FY 16 Est. \$ ³	FY 17 Est. \$ ²	Revised FY 17 Est. \$ ³
Lyme	-	-	-	-	-	-
Madison	19,630	13,957	(598)	13,359	13,957	13,359
Manchester	370,885	345,930	(14,828)	331,102	345,930	331,102
Mansfield	120,228	113,963	(4,885)	109,078	113,963	109,078
Marlborough	18,175	15,415	(661)	14,755	15,415	14,755
Meriden	509,213	472,307	(20,245)	452,062	472,307	452,062
Middlebury	-	-	-	-	-	-
Middlefield	-	-	-	-	-	-
Middletown	537,998	497,311	(21,317)	475,994	497,311	475,994
Milford	201,758	85,699	(3,673)	82,025	85,699	82,025
Monroe	53,122	46,538	(1,995)	44,544	46,538	44,544
Montville	218,316	217,567	(9,326)	208,242	217,567	208,242
Morris	-	-	-	-	-	-
Naugatuck	371,337	341,863	(14,654)	327,209	341,863	327,209
New Britain	1,226,549	1,146,589	(49,148)	1,097,441	1,146,589	1,097,441
New Canaan	287	270	(12)	258	270	258
New Fairfield	41,941	48,705	(2,088)	46,617	48,705	46,617
New Hartford	24,496	36,122	(1,548)	34,574	36,122	34,574
New Haven	2,273,899	2,082,129	(89,249)	1,992,880	2,082,129	1,992,880
New London	295,640	280,041	(12,004)	268,037	280,041	268,037
New Milford	185,462	170,753	(7,319)	163,434	170,753	163,434
Newington	230,328	219,259	(9,398)	209,860	219,259	209,860
Newtown	79,611	89,484	(3,836)	85,649	89,484	85,649
Norfolk	1,698	1,919	(82)	1,837	1,919	1,837
North Branford	150,215	152,745	(6,547)	146,198	152,745	146,198
North Canaan	36,060	32,761	(1,404)	31,357	32,761	31,357
North Haven	78,592	88,307	(3,785)	84,522	88,307	84,522
North Stonington	59,149	55,655	(2,386)	53,269	55,655	53,269
Norwalk	67,416	60,073	(2,575)	57,498	60,073	57,498
Norwich	591,498	541,254	(23,200)	518,054	541,254	518,054
Old Lyme	-	-	-	-	-	-
Old Saybrook	5,908	6,172	(265)	5,907	6,172	5,907
Orange	23,856	22,447	(962)	21,484	22,447	21,484
Oxford	38,821	33,402	(1,432)	31,970	33,402	31,970
Plainfield	253,526	240,277	(10,299)	229,977	240,277	229,977
Plainville	161,358	154,628	(6,628)	148,000	154,628	148,000
Plymouth	176,916	161,341	(6,916)	154,425	161,341	154,425
Pomfret	39,341	36,199	(1,552)	34,647	36,199	34,647
Portland	52,441	45,516	(1,951)	43,565	45,516	43,565
Preston	86,608	83,156	(3,564)	79,592	83,156	79,592

Municipality/Regional School District	FY 15 Est. \$	FY 16 Est. \$ ²	\$1 Million Reduction Prorated Based on FY 16 Est. \$	Revised FY 16 Est. \$ ³	FY 17 Est. \$ ²	Revised FY 17 Est. \$ ³
Prospect	-	-	-	-	-	-
Putnam	153,201	151,467	(6,493)	144,975	151,467	144,975
Redding	287	270	(12)	258	270	258
Ridgefield	601	565	(24)	541	565	541
Rocky Hill	68,287	56,620	(2,427)	54,193	56,620	54,193
Roxbury	-	-	-	-	-	-
Salem	36,078	44,192	(1,894)	42,298	44,192	42,298
Salisbury	1,462	1,375	(59)	1,316	1,375	1,316
Scotland	22,793	21,619	(927)	20,692	21,619	20,692
Seymour	121,777	116,768	(5,005)	111,763	116,768	111,763
Sharon	287	270	(12)	258	270	258
Shelton	115,171	102,774	(4,405)	98,369	102,774	98,369
Sherman	3,681	3,068	(132)	2,937	3,068	2,937
Simsbury	42,309	39,809	(1,706)	38,103	39,809	38,103
Somers	82,285	74,012	(3,172)	70,839	74,012	70,839
South Windsor	126,104	116,774	(5,005)	111,769	116,774	111,769
Southbury	-	-	-	-	-	-
Southington	163,389	159,326	(6,829)	152,497	159,326	152,497
Sprague	49,926	46,251	(1,982)	44,268	46,251	44,268
Stafford	207,829	197,031	(8,446)	188,585	197,031	188,585
Stamford	96,088	90,412	(3,875)	86,537	90,412	86,537
Sterling	70,562	65,891	(2,824)	63,067	65,891	63,067
Stonington	22,892	24,395	(1,046)	23,349	24,395	23,349
Stratford	292,338	275,069	(11,791)	263,278	275,069	263,278
Suffield	83,194	87,798	(3,763)	84,034	87,798	84,034
Thomaston	51,543	46,057	(1,974)	44,082	46,057	44,082
Thompson	95,074	93,858	(4,023)	89,835	93,858	89,835
Tolland	128,378	113,842	(4,880)	108,962	113,842	108,962
Torrington	410,063	385,839	(16,539)	369,301	385,839	369,301
Trumbull	61,070	60,093	(2,576)	57,517	60,093	57,517
Union	10,564	11,710	(502)	11,208	11,710	11,208
Vernon	130,223	122,530	(5,252)	117,278	122,530	117,278
Voluntown	42,644	41,582	(1,782)	39,799	41,582	39,799
Wallingford	310,151	280,952	(12,043)	268,909	280,952	268,909
Warren	-	-	-	-	-	-
Washington	-	-	-	-	-	-
Waterbury	1,133,571	1,066,609	(45,719)	1,020,889	1,066,609	1,020,889
Waterford	33,259	29,644	(1,271)	28,373	29,644	28,373
Watertown	150,486	150,761	(6,462)	144,299	150,761	144,299
West Hartford	271,164	169,972	(7,286)	162,687	169,972	162,687

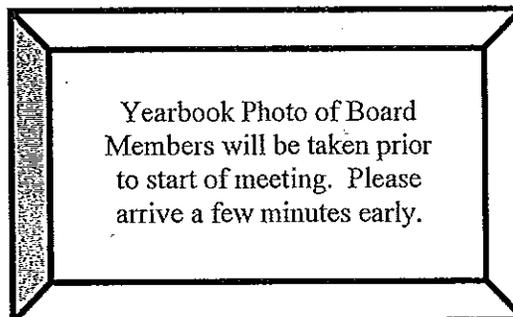
Municipality/Regional School District	FY 15 Est. \$	FY 16 Est. \$ ²	\$1 Million Reduction Prorated Based on FY 16 Est. \$	Revised FY 16 Est. \$ ³	FY 17 Est. \$ ²	Revised FY 17 Est. \$ ³
West Haven	521,859	488,278	(20,930)	467,348	488,278	467,348
Westbrook	5,603	5,595	(240)	5,355	5,595	5,355
Weston	287	270	(12)	258	270	258
Westport	287	270	(12)	258	270	258
Wethersfield	82,422	76,859	(3,295)	73,565	76,859	73,565
Wilmington	52,669	51,329	(2,200)	49,129	51,329	49,129
Wilton	642	270	(12)	258	270	258
Winchester	89,180	83,912	(3,597)	80,315	83,912	80,315
Windham	284,243	274,783	(11,778)	263,005	274,783	263,005
Windsor	233,949	223,025	(9,560)	213,465	223,025	213,465
Windsor Locks	80,341	75,595	(3,240)	72,355	75,595	72,355
Wolcott	131,118	137,330	(5,887)	131,443	137,330	131,443
Woodbridge	1,844	1,735	(74)	1,661	1,735	1,661
Woodbury	-	-	-	-	-	-
Woodstock	67,682	65,979	(2,828)	63,151	65,979	63,151
District No. 1	3,319	1,576	(68)	1,508	1,576	1,508
District No. 4	26,682	20,932	(897)	20,035	20,932	20,035
District No. 5	76,727	66,435	(2,848)	63,587	66,435	63,587
District No. 6	28,270	26,330	(1,129)	25,201	26,330	25,201
District No. 7	84,785	97,113	(4,163)	92,950	97,113	92,950
District No. 8	104,038	92,332	(3,958)	88,375	92,332	88,375
District No. 9	30,755	12,547	(538)	12,009	12,547	12,009
District No. 10	182,345	147,813	(6,336)	141,477	147,813	141,477
District No. 11	35,926	38,942	(1,669)	37,273	38,942	37,273
District No. 12	35,093	32,206	(1,380)	30,825	32,206	30,825
District No. 13	96,135	93,665	(4,015)	89,650	93,665	89,650
District No. 14	91,278	88,300	(3,785)	84,515	88,300	84,515
District No. 15	133,602	197,036	(8,446)	188,590	197,036	188,590
District No. 16	162,762	173,184	(7,423)	165,761	173,184	165,761
District No. 17	192,784	164,347	(7,045)	157,303	164,347	157,303
District No. 18	9,596	23,647	(1,014)	22,633	23,647	22,633
District No. 19	127,042	143,793	(6,164)	137,629	143,793	137,629
TOTAL⁴	24,884,748	23,329,451	(1,000,000)	22,329,451	23,329,451	22,329,451

⁴Totals may not appear to add due to rounding.

AGENDA
REGULAR & ORGANIZATIONAL MEETING
WATERFORD BOARD OF EDUCATION
Waterford, Connecticut

RECEIVED *ge*
DEC 14 2015
FINANCE DEPARTMENT

DATE: Thursday, December 17, 2015
PLACE: Board of Education Offices
Central Office Conference Room
15 Rope Ferry Road, Waterford, CT
TIME: 7:00 p.m.



1. Establishment of a Quorum, Call to Order, Pledge of Allegiance, and Board Organization—
Acting Chairman, Thomas W. Giard III (enclosure: By-law #9321)
 - A. Establishment of a Quorum and Call to Order
 - B. Pledge of Allegiance
 - C. Appointment of Acting Secretary
 - D. Election of Officers
 1. Chairperson (individual votes recorded in official minutes)
Chairperson assumes duties—
 2. Secretary (individual votes recorded in official minutes)
Secretary assumes duties—
2. Introduction of Visitors
3. Public Comment ⁽¹⁾
4. Recognition:

Recognition of Immediate Past Board of Education Members
5. Consent Agenda:
 - A. Minutes: November 17, 2015 Regular Meeting (enclosure)
 - B. Monthly Expenditure Report for November 2015 (enclosure)
 - C. Food Service Financial Report for October 2015 (enclosure)
6. Reading and/or Review of Correspondence Received
7. Superintendent's Report

⁽¹⁾ Waterford Board of Education Bylaw 9325 addresses public comment at Board meetings and designates that a three-minute time limit will be allowed per speaker for public comment related to any item within the Board's jurisdiction and that a maximum of 20 minutes per meeting be allocated for any one item.

8. Committee and Other Reports
9. New Business:
 - A. Discussion and possible action re: MOU for School Resource Officer (enclosure)
 - B. Executive Session Anticipated for purpose of: confidential student matter
 - C. Possible action re: confidential student matter
10. Adjournment

Upcoming Meeting Dates:

Regular Meeting: January 28, 2016

Special Meetings: February 4, 2016 Special Board of Education Budget Workshop #1
February 11, 2016 Special Board of Education Budget Workshop #2

Gail Miller

From: Maryanna Stevens
Sent: Tuesday, January 05, 2016 3:24 PM
To: anthony.jessuckjr@wellsfargoadvisors.com; Cheryl Larder (clarder@geraghtybonnano.com); Elizabeth Sabilia (beth@sabilialaw.com); James Reid (jreid43@att.net); John W. Sheehan (sheehanjw@sbcglobal.net); Norman Glidden (mnglidden@yahoo.com); Ron Fedor (ronald_r_fedor@sbcglobal.net)
Cc: Ginny Bielucki; Gail Miller; Thomas Giard III; Craig Powers; Robert Gourley; Dan Steward; 'Tom Dembek (thomas.j.dembek@dom.com)'; 'Richard Muckle (rmuckle@sbcglobal.net)'
Subject: FW: FY 16 ECS Reduction Estimates
Attachments: FY 16 MORE Commission Lapse ECS 01052016.pdf

FYI – Please let me know if you have any questions. Waterford’s reduction is \$1,888.

Maryanna

From: GEORGE RAFAEL [<mailto:GRAFael@CCM-CT.ORG>]
Sent: Tuesday, January 05, 2016 3:18 PM
Subject: FY 16 ECS Reduction Estimates

Good afternoon, everyone.

The Governor announced a reduction of \$4.1 million in FY 16 ECS funding. This reduction is balance of the \$20 million in municipal aid cuts in the state budget that were to be offset by savings realized through the MORE Commission. As you recall, the first round of cuts were made to PILOT grants back in September.

Attached are the town-by-town estimates for the ECS reductions based on the information we have received. Should anything change, we will update you.

Please let me know if you have any questions.

Thanks.
George

George Rafael
Director of Government Relations & Research
CCM
Phone: 203-498-3063



January 5, 2016

Estimated Reduction in FY 16 ECS Grant Due to MORE Commission Lapse

Town	FY 16 ECS Reduction
Andover	190
Ansonia	846
Ashford	12,256
Avon	18,907
Barkhamsted	1,337
Beacon Falls	344
Berlin	91,324
Bethany	387
Bethel	52,582
Bethlehem	18,971
Bloomfield	1,368
Bolton	309
Bozrah	6,898
Branford	9,524
Bridgeport	6,041
Bridgewater	14,996
Bristol	3,117
Brookfield	82,915
Brooklyn	425
Burlington	2,277
Canaan	105
Canterbury	11,622
Canton	27,569
Chaplin	123
Cheshire	1,931
Chester	11,345
Clinton	43,154
Colchester	919

Town	FY 16 ECS Reduction
Colebrook	2,853
Columbia	20,106
Cornwall	193
Coventry	8,339
Cromwell	897
Danbury	5,032
Darien	243,857
Deep River	14,768
Derby	596
Durham	20,325
Eastford	1,283
East Granby	2,224
East Haddam	13,949
East Hampton	792
East Hartford	2,436
East Haven	1,493
East Lyme	1,368
Easton	763
East Windsor	686
Ellington	66,822
Enfield	2,332
Essex	24,147
Fairfield	6,524
Farmington	2,167
Franklin	134
Glastonbury	150,324
Goshen	6,848
Granby	42,585
Greenwich	381,118
Griswold	581
Groton	2,660
Guilford	113,389
Haddam	573
Hamden	3,177
Hampton	103
Hartford	5,086
Hartland	141
Harwinton	19,583
Hebron	30,061

Town	FY 16 ECS Reduction
Kent	290
Killingly	906
Killingworth	458
Lebanon	6,746
Ledyard	819
Lisbon	15,202
Litchfield	644
Lyme	5,854
Madison	1,802
Manchester	3,086
Mansfield	1,033
Marlborough	13,595
Meriden	2,755
Middlebury	8,292
Middlefield	12,007
Middletown	2,559
Milford	4,224
Monroe	106,078
Montville	1,021
Morris	202
Naugatuck	31,690
New Britain	2,803
New Canaan	286,542
New Fairfield	63,059
New Hartford	17,662
New Haven	5,990
Newington	1,871
New London	1,222
New Milford	1,914
Newtown	2,027
Norfolk	159
North Branford	63,736
North Canaan	215
North Haven	1,764
North Stonington	6,841
Norwalk	0
Norwich	1,867
Old Lyme	10,974
Old Saybrook	6,013

Town	FY 16 ECS Reduction
Orange	1,180
Oxford	951
Plainfield	732
Plainville	64,003
Plymouth	37,048
Pomfret	232
Portland	19,801
Preston	7,672
Prospect	45,932
Putnam	470
Redding	952
Ridgefield	73,339
Rocky Hill	1,344
Roxbury	25,075
Salem	253
Salisbury	38,614
Scotland	88
Seymour	51,278
Sharon	6,537
Shelton	224,106
Sherman	31,202
Simsbury	9,819
Somers	614
Southbury	1,411
Southington	52,942
South Windsor	124,031
Sprague	143
Stafford	608
Stamford	0
Sterling	9,533
Stonington	107,063
Stratford	3,274
Suffield	984
Thomaston	418
Thompson	24,496
Tolland	21,940
Torrington	1,777
Trumbull	127,997
Union	60

Town	FY 16 ECS Reduction
Vernon	1,438
Voluntown	146
Wallingford	2,972
Warren	11,002
Washington	18,211
Waterbury	4,372
Waterford	1,888
Watertown	85,259
Westbrook	676
West Hartford	4,333
West Haven	2,520
Weston	103,036
Westport	5,319
Wethersfield	1,612
Willington	338
Wilton	95,672
Winchester	567
Windham	963
Windsor	101,085
Windsor Locks	4,976
Wolcott	75,313
Woodbridge	42,417
Woodbury	55,352
Woodstock	30,770
TOTAL	4,084,175