

**From:** Reardon, Gerry <GReardon@CambridgeFire.Org>

**Sent:** Tuesday, July 16, 2019 2:07 PM EDT

**To:** Chuck Wade <Chuck.Wade@interisle.net>

**CC:** Sarah Plowman <Sarah.Plowman@boston.gov>; Eric Johnson <Eric.Johnson@lan-tel.com>; Fred Goldstein <Fred.Goldstein@interisle.net>

**Subject:** Re: PSnet BridgeWave order; were antennas included?



Chuck too big for the PSNet spare room.

LanTel will need to pick them up.

Chief Gerald R. Reardon Ret.  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jul 16, 2019, at 09:33, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Gerry,

If they can be stored in the same storage room where the other PSnet equipment is located, that would be appreciated.

I can also make arrangements for LAN-TEL to retrieve these antennas and keep them until they can be deployed.

Thanks...  
...Chuck

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

On 7/16/19 8:52 AM, Reardon, Gerry wrote:

We have both sets of microwave dishes here at Fire Headquarters they were inadvertently put with the Motorola pallets.

Both 18 GHz, and the 23 GHz antennas are here the order is complete.

Where are these units going to be stored?

**Chief Gerald R. Reardon, Ret.**  
Senior Advisor  
Cambridge Public Safety  
491 Broadway Cambridge Ma. 02138  
617-775-9334 [Cell]  
617-349-4974 [Office]  
[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

**From:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Sent:** Monday, July 15, 2019 12:07 PM  
**To:** Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)>  
**Cc:** Reardon, Gerry <[GReardon@CambridgeFire.Org](mailto:GReardon@CambridgeFire.Org)>; Eric Johnson <[EJohnson@lan-tel.com](mailto:EJohnson@lan-tel.com)>; Fred Goldstein <[Fred@interisle.net](mailto:Fred@interisle.net)>  
**Subject:** Re: PNet BridgeWave order; were antennas included?

Here's what I have. CDW reached out to Winncom and Bridgewave who gave me a tracing number for Land Air New England (shipping company). They send me the bill of landing document. Delivery was 6/12/19, received by a Mr. Melendes, and item included was the antennas. Please have everyone double check to verify that what you have reflects this. Thank you.

On Thu, Jul 11, 2019 at 4:58 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

I spoke with Gerry yesterday, and he indicated that the antennas were not with the other Motorola equipment that was received. It appears that these items have yet to be delivered. I assume that Boston Purchasing can follow up with CDW-G on status of delivery.

Thanks...  
...Chuck

---

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On 7/8/19 9:09 AM, Sarah Plowman wrote:

Thanks to you both!

On Mon, Jul 8, 2019 at 8:21 AM Reardon, Gerry <[GReardon@cambridgefire.org](mailto:GReardon@cambridgefire.org)> wrote:

Chuck the antennas did get received, they came during a six pallet load from Motorola. They probably are located in the second floor storage area.

I'll have them located.

Gerald R. Reardon  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jul 8, 2019, at 07:02, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

When I retrieved the BridgeWave radios from Cambridge Fire, I did not see any antennas, just the radios themselves. It is possible they were received, but placed somewhere else.

Since the antennas were on the quote you received from CDW-G, I had assumed they were also ordered. Can we check on status?

For the record, I have staged the first pair of BridgeWave radios for the 18 GHz band. So far, everything is going smoothly. It is clear that these radios were designed to meet the current requirements of carriers, even including support for carrier Ethernet, which is much more capable than traditional Ethernet.

...Chuck

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**Sarah Plowman**  
Project Director  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

--

**Sarah Plowman**

Project Director  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Thursday, June 27, 2019 3:09 PM EDT  
**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: FatPot

Thanks!

On Wed, Jun 26, 2019 at 2:42 PM Eric Johnson <ejohnson@lan-tel.com> wrote:  
Will do

Respectfully,

Eric Johnson  
**Security Project Manager**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062  
**M 617-785-8254**

| [www.lan-tel.com](http://www.lan-tel.com). | [Twitter](#)

[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣ □

TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

[www.lan-tel.com](http://www.lan-tel.com)

On Jun 26, 2019, at 2:40 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

This is all great, Roger. Thank you for your commitment to see this through. Eric (Johnson), please generate a final invoice for us and get it to me before the end of the day Friday. It should be for the balance of the project. Please reach out to me if you have questions on how to format the invoice or what detail should be included on it.

On Wed, Jun 26, 2019 at 2:28 PM Roger Salisbury <[rsalisbury@tellus.us](mailto:rsalisbury@tellus.us)> wrote:  
<<Boston PD removed>>

Sarah,

Boston PD has come in too late for us to get them integrated before the project close out deadline. It's

compounded with the fact that I'm out of the office at a conference most of this week. Our SOW clearly excuses us of the obligation of being held responsible for an agency that is nonresponsive. I can share that verbiage with you if you need access to that.

Having said that, this should allow us to close out the project according to the contract terms in spite of their delays, which is good news from the project management side. In addition to that, please know that we will still commit to working with Boston PD over the next few days/weeks to get them re-integrated in order to make the system whole again. With this approach, we get the best of both worlds (project close out doesn't need to be held up and we get Boston PD re-engaged, albeit slightly after-the-fact).

I'm preparing updates for you (tomorrow or Fri) regarding the other small items that have been outstanding. I think we're in a good position from the project close-out point of view.

Questions?

Thanks,  
Roger Salisbury  
Project Manager

**Tellus**

801-397-3973 x5146

*Tellus is now a CentralSquare company*

On 6/26/2019 11:36 AM, John Daley wrote:

Hi Sarah,

I believe that the BRIC and Fatpot have a connection in place. I think Rich Laird and Hutch have worked out the data schema and so the fat pot guys should talk to Rich to add the cad data.

On Wed, Jun 26, 2019 at 11:22 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hello all -

Just closing the loop on this. Can BPD and Tellus please confirm that you have what you need and the work is moving ahead? This must be completed this week. Please advise status ASAP.

Thank you,  
Sarah

On Tue, Jun 25, 2019 at 1:14 PM Thomas Hutchings <[thomas.hutchings@pd.boston.gov](mailto:thomas.hutchings@pd.boston.gov)> wrote:

Supt

We last left this was the that they were they were going to access the data through the BRIC for the access since they have access to the data needed and it would not interfere with live CAD dispatch

Thanks Hutch

On Jun 25, 2019, at 12:10 PM, Roger Salisbury <[rsalisbury@tellus.us](mailto:rsalisbury@tellus.us)> wrote:

Superintendent Daley,

We are trying to close out the regional project that involves upgrading the 'FATPOT' (re-branded as 'Tellus') CAD sharing platform. Since the Hexagon 9.2 - 9.4 upgrade in November, the Boston PD/FD CAD sharing was knocked off. We stand ready to help restore that connection to the original baseline CAD sharing level which essentially includes call natures and locations - nothing more that it was.

We also know that BPD is in the middle of other major projects and upgrades and would be truly grateful for a small amount of assistance from your people. The benefits of BPD's continuing participation is very important as it is the catalyst for UASI and MBHSR interoperability.



We will do all the heavy lifting but need some assistance from your people in the following tasks:

1. A networking meeting involving your network staff and Interisle to plan a connection between your Hexagon v9.4 CAD and the 'FATPOT' server via a secure PSnet connection. (approx 20 conversation and follow up network provisioning tasks)
2. A remote work session where we install our updated CAD adapter on a host machine owned/managed by Boston PD/FD. (approx 1 hr).

Both Zach Shark and Thomas Hutchings have been involved in some prior discussions and should have a decent level of familiarity with the details. I believe that they should be in a position to help with the process and audit the implementation to ensure that BPDs interests are met.

**May we have your permission to proceed?**

Thanks,  
Roger Salisbury  
Project Manager  
**Tellus**  
801-397-3973 x5146  
*Tellus is now a CentralSquare company*

On 6/24/2019 9:22 AM, Shawn Romanoski wrote:

Superintendent Daley,

OEM has requested our assistance with closing out the FATPOT deliverable for this year. It is in regards to the incident location and time if I recall the discussion.

The point of contact for the FATPOT data would be Roger Salisbury. Roger is CC'd on this email.

Shawn Romanoski  
Director of Telecommunications  
Boston Police Dept.  
(617) 594-2994

On Jun 24, 2019, at 10:13 AM, Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:

Roger  
I have Shawn Romanoski on email he is going to help with getting back to baseline info for Boston PD .

Respectfully,

Eric Johnson  
**Security Project Manager**

[1400 PROVIDENCE HIGHWAY, SUITE 3100,  
NORWOOD,MA 02062](#)  
**M 617-785-8254**  
| [www.lan-tel.com](http://www.lan-tel.com). | [Twitter](#)

[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣ □

TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

[www.lan-tel.com](http://www.lan-tel.com)

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--

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Phone: 617.635.1400

Fax: 617.635.2974



**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Thursday, June 27, 2019 3:26 PM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**Subject:** Re: Documents for Review/Signature - Contract ID: 0000000000000000000048575

You're welcome! When the PO is cut I will be sure you get a copy of that, too.

On Thu, Jun 27, 2019 at 3:22 PM Kate Waldron <[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com)> wrote:  
Great. Thanks Sarah!

-----Original Message-----

From: [sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov) <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
Sent: Thursday, June 27, 2019 2:59 PM  
To: Kate Waldron <[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com)>  
Cc: [sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)  
Subject: Documents for Review/Signature - Contract ID: 0000000000000000000048575

This email contains documents for City of Boston contract: SHARE / 0000000000000000000048575. Please notify your contact if you have any questions.

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Phone: 617.635.1400  
Fax: 617.635.2974

**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Friday, June 28, 2019 4:21 PM EDT  
**To:** Reardon, Gerry  
**CC:** Sarah Plowman <Sarah.Plowman@boston.gov>; Scott Wilder <Scott.Wilder@brooklinema.gov>; Fred Goldstein <Fred@interisle.net>; Colin Strutt <Colin.Strutt@Interisle.net>; Eric Johnson <Eric.Johnson@LAN-TEL.com>  
**Subject:** Re: [Request received] License Keys-Cambridge Fire Dept  
**Attachment(s):** "smime.p7s"

Gerry, Sarah,

Since I had to stage the equipment for the July 4th Cambridge Command Center (CCC), I also retrieved the BridgeWave equipment. We did receive all four radios, along with some extra parts needed for the installation, so I believe this order is complete.

We will stage the BridgeWave equipment and make sure that we have procedures in place for connecting these radios to PSnet switches. Of course, we can't actually power on these radios until the FCC licenses have been granted, though we might be able to proceed with installation and other on-site work.

Note that the recent loss of the microwave link between Whidden and JFK has further diminished path diversity and resilience for the metro North communities (Chelsea, Everett, Revere, Somerville, and Winthrop). Establishing a new link into Soldiers' Home or some other site is now an even greater priority.

As a reminder, the reason we lost the Whidden<=>JFK link was due to the new construction of the high-rise on the Government Center Garage site. This construction has constrained our options for microwave links from downtown Boston, and when the other towers on this site go up, there will be further constraints. Fortunately, we do have options.

...Chuck

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

On 6/26/19 2:51 PM, Reardon, Gerry wrote:

Two of the 18 GHz were delivered yesterday.

Chief Gerald R. Reardon Ret.  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jun 26, 2019, at 12:05, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Gerry,

Do you know if those radios have been delivered to Cambridge Fire, yet?

Thanks...  
...Chuck

---

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On 6/25/19 9:21 PM, Reardon, Gerry wrote:

Thanks Sarah

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Senior Advisor  
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Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jun 25, 2019, at 17:29, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

FYI -- Bridgewave license keys

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

From: **Kelli Cross (BridgeWave Communications)**

<[support@bridgewavesupport.zendesk.com](mailto:support@bridgewavesupport.zendesk.com)>

Date: Tue, Jun 25, 2019 at 5:27 PM

Subject: [Request received] License Keys-Cambridge Fire Dept

To: Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>

##- Please type your reply above this line -##

Hello, Sarah:

Your request (25759) has been received and is being reviewed by our support staff:

---

**Kelli Cross** (BridgeWave Communications)

Jun 25, 14:27 PDT

Hello, Sarah:

Thank you for purchasing the following License Keys from Bridgewave:

**NAV-LIC (4)**

**NAV-AES (4)**

Serial Numbers:

**NAVRT1923A181**

**NAVRT1923A182**

**NAVRT1922A179**

**NAVRT1922A180**

Once we have replied with the license files:

1. Navigate to the Administration page and click on license.
2. *Drop the license file or upload it by clicking on the box.*
3. Once uploaded reboot the radio. A successfully installed key will appear as per the figure below:



Thank you,

Kelli Cross  
BridgeWave Technical Support

To add additional comments, reply to this email.

Thank you,

BridgeWave Communications

---

This email is a service from BridgeWave Communications. Delivered by [Zendesk](#)

--

**Sarah Plowman**  
Project Director  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Friday, June 28, 2019 4:30 PM EDT

**To:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>

**CC:** Reardon, Gerry; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>

**Subject:** Re: [Request received] License Keys-Cambridge Fire Dept

This is helpful, thanks Chuck. I will need to submit EHPs on all new installs, so please be sending me photos of where these will go and I will get those forms turned around ASAP. Note that I will need a photo of every place we'll pick up a hammer/screwdriver - indoors, outdoors, all.

Thanks again!!

On Fri, Jun 28, 2019 at 4:21 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

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##- Please type your reply above this line -##

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Thank you,

Kelli Cross  
BridgeWave Technical Support

To add additional comments, reply to this email.

Thank you,

BridgeWave Communications

This email is a service from BridgeWave Communications. Delivered by  
[Zendesk](#)

--

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**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>  
**Subject:** Re: FatPot

Sarah,

As I promised and a formality, here's an end of month update on the previously outstanding tasks:

- **Somerville:** **Connected!**
- **BRIC db connect:** Migrated from Test to Production. **Done!**
- **Esri Interface:** I misspoke in an earlier report that this was a pending project deliverable. **It was completed around the Jan 2019 time period.** Esri (who we connect to) made a breaking change on their side. This is fixed in our product but waiting for it to get all the way through our QA process so a new version can be deployed. This is actually a maintenance effort and will be deployed to the Boston production site in the next week or two.
- **Migrating all the Watchdog Alerts to Production:** **Done!**

Then, as a descoped effort to the project because they are a late-comer, Boston PD has finally come back around. We just got the nod from Superintendent Daley this past Wed and are coordinating efforts between our teams to get this done. If they continue to be responsive, we should have Boston PD/FD back on the system in the next week or two. GOOD NEWS!

Have a great weekend!

Thanks,

Roger Salisbury  
Project Manager

**Tellus**

801-397-3973 x5146

*Tellus is now a CentralSquare company*

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<<Boston PD removed>>

Sarah,

Boston PD has come in too late for us to get them integrated before the project close out deadline. It's compounded with the fact that I'm out of the office at a conference most of this week. Our SOW clearly excuses us of the obligation of being held responsible for an agency that is nonresponsive. I can share that verbiage with you if you need access to that.

Having said that, this should allow us to close out the project according to the contract terms in spite of their delays, which is good news from the project management side. In addition to that, please know that we will still commit to working with Boston PD over the next few days/weeks to get them re-integrated in order to make the system whole again. With this approach, we get the best of both worlds (project close out doesn't need to be held up and we get Boston PD re-engaged, albeit slightly after-the-fact).

I'm preparing updates for you (tomorrow or Fri) regarding the other small items that have been outstanding. I think we're in a good position from the project close-out point of view.

Questions?

Thanks,  
Roger Salisbury  
Project Manager

**Tellus**

801-397-3973 x5146

*Tellus is now a CentralSquare company*

On 6/26/2019 11:36 AM, John Daley wrote:

Hi Sarah,

I believe that the BRIC and Fatpot have a connection in place. I think Rich Laird and Hutch have worked out the data schema and so the fat pot guys should talk to Rich to add the cad data.

On Wed, Jun 26, 2019 at 11:22 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:  
Hello all -

Just closing the loop on this. Can BPD and Tellus please confirm that you have what you need and the work is moving ahead? This must be completed this week. Please advise status ASAP.

Thank you,  
Sarah

On Tue, Jun 25, 2019 at 1:14 PM Thomas Hutchings <[thomas.hutchings@pd.boston.gov](mailto:thomas.hutchings@pd.boston.gov)> wrote:

Supt

We last left this was the that they were they were going to access the data through the BRIC for the access since they have access to the data needed and it would not interfere with live CAD dispatch

Thanks Hutch

On Jun 25, 2019, at 12:10 PM, Roger Salisbury <[rsalisbury@tellus.us](mailto:rsalisbury@tellus.us)> wrote:

Superintendent Daley,

We are trying to close out the regional project that involves upgrading the 'FATPOT' (re-branded as 'Tellus') CAD sharing platform. Since the Hexagon 9.2 - 9.4 upgrade in November, the Boston PD/FD CAD sharing was knocked off. We stand ready to help restore that connection to the original baseline CAD sharing level which essentially includes call natures and locations - nothing more that it was.

We also know that BPD is in the middle of other major projects and upgrades and would be truly grateful for a small amount of assistance from your people. The benefits of BPD's continuing participation is very important as it is the catalyst for UASI and MBHSR interoperability.

We will do all the heavy lifting but need some assistance from your people in the following tasks:

1. A networking meeting involving your network staff and InterIsle to plan a connection between your Hexagon v9.4 CAD and the 'FATPOT' server via a secure PSnet connection. (approx 20 conversation and follow up network provisioning tasks)
2. A remote work session where we install our updated CAD adapter on a host machine owned/managed by Boston PD/FD. (approx 1 hr).

Both Zach Shark and Thomas Hutchings have been involved in some prior discussions and should have a decent level of familiarity with the details. I believe that they should be in a position to help with the process and audit the implementation to ensure that BPDs interests are met.

**May we have your permission to proceed?**

Thanks,  
Roger Salisbury  
Project Manager  
**Tellus**  
801-397-3973 x5146  
*Tellus is now a CentralSquare company*

On 6/24/2019 9:22 AM, Shawn Romanoski wrote:

Superintendent Daley,

OEM has requested our assistance with closing out the FATPOT deliverable for this year. It is in regards to the incident location and time if I recall the discussion.

The point of contact for the FATPOT data would be Roger Salisbury. Roger is CC'd on this email.

Shawn Romanoski  
Director of Telecommunications  
Boston Police Dept.  
(617) 594-2994

On Jun 24, 2019, at 10:13 AM, Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:

Roger

I have Shawn Romanoski on email he is going to help with getting back to baseline info for Boston PD .

Respectfully,

Eric Johnson  
**Security Project Manager**

[1400 PROVIDENCE HIGHWAY, SUITE 3100,  
NORWOOD, MA 02062](#)

**M 617-785-8254**

| [www.lan-tel.com](http://www.lan-tel.com). | [Twitter](#)

[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣ □

TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

[www.lan-tel.com](http://www.lan-tel.com)

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--

**Sarah Plowman**

Project Director

Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

--

**Sarah Plowman**

Project Director

Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

**From:** Eric Johnson <ejohnson@Lan-Tel.com>

**Sent:** Saturday, June 29, 2019 4:39 PM EDT

**To:** Shawn <RomanoskiS.bpd@cityofboston.gov> Romanoski; Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; Scott Wilder <swilder@brooklinema.gov>>; Kevin Cullen <Kevin Cullen <kevin.cullen@pd.boston.gov>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; steven.whitman@pd.boston.gov; Shaun Kennedy <Shaun Kennedy <skennedy@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Jay Burke <Jay Burke <jburke@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Sgt Gina Collyer <Sgt Gina Collyer <regina.collyer@cityofeverett.org>>; kristopher.gaff@cityofeverett.org; Pam Monzione <Pam Monzione <PMonzione@chelseama.gov>>; RGriffin@chelseama.gov; BKyes@chelseama.gov; sarah.plowman@boston.gov; Captain Kenneth Fong <Captain Kenneth Fong <kenneth.fong@pd.boston.gov>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>

**Subject:** Saturday Thunderstorm 4:00PM

It looks like we lost following cams due to storm . These cams were functioning at 3PM check .

A1 - Knapp St Alley

A1 - N Wash - Causeway

Chelsea / Everett

Rt 16 / KFC area .

Everything else looks good at this time. If there is something that I missed. Please email me direct .

Thanks

Eric

Respectfully,

Eric Johnson

**Security Project Manager**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062

**M 617-785-8254**

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[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣☐

TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

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**From:** Chuck Wade <Chuck@Interisle.net>

**Sent:** Saturday, June 29, 2019 4:57 PM EDT

**To:** Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kevin Cullen <Kevin Cullen <kevin.cullen@pd.boston.gov>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; steven.whitman@pd.boston.gov; Shaun Kennedy <Shaun Kennedy <skennedy@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Jay Burke <Jay Burke <jburke@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Sgt Gina Collyer <Sgt Gina Collyer <regina.collyer@cityofeverett.org>>; kristopher.gaff@cityofeverett.org; Pam Monzione <Pam Monzione <PMonzione@chelseama.gov>>; RGriffin@chelseama.gov; BKyes@chelseama.gov; sarah.plowman@boston.gov; Captain Kenneth Fong <Captain Kenneth Fong <kenneth.fong@pd.boston.gov>>

**CC:** Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>

**Subject:** Re: Saturday Thunderstorm 4:00PM

**Attachment(s):** "smime.p7s"

Eric,

That was quite an intense thunderstorm. It has been quite some time since we've seen a storm cause such havoc with the backbone microwave links. Just about all of the licensed links took at least a brief hit. However, the 5 GHz links were largely unaffected.

It looks like there is another heavy downpour moving through the metro Boston area now.

It's sunny out where I am in Hopkinton, and we haven't seen anything other than light rain, so these intense storms are localized.

...Chuck

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

On 6/29/19 4:39 PM, Eric Johnson wrote:

It looks like we lost following cams due to storm . These cams were functioning at 3PM check .

A1 - Knapp St Alley  
A1 - N Wash - Causeway

Chelsea / Everett  
Rt 16 / KFC area .

Everything else looks good at this time. If there is something that I missed. Please email me direct .

Thanks  
Eric

Respectfully,

Eric Johnson  
**Security Project Manager**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062  
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| [www.lan-tel.com](http://www.lan-tel.com). | [Twitter](#)

[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣ □

TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

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**From:** Eric Johnson <ejohnson@Lan-Tel.com>

**Sent:** Saturday, June 29, 2019 5:32 PM EDT

**To:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>

**CC:** Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; Scott Wilder <Swilder@brooklinema.gov>>; Kevin Cullen <Kevin Cullen <kevin.cullen@pd.boston.gov>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; steven.whitman@pd.boston.gov; Shaun Kennedy <Shaun Kennedy <skennedy@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Jay Burke <Jay Burke <jburke@lan-tel.com>>; Peter Baker <Peter Baker <pbaker@lan-tel.com>>; Sgt Gina Collyer <Sgt Gina Collyer <regina.collyer@cityofeverett.org>>; kristopher.gaff@cityofeverett.org; Pam Monzione <Pam Monzione <PMonzione@chelseama.gov>>; RGriffin@chelseama.gov; BKYes@chelseama.gov; sarah.plowman@boston.gov; Captain Kenneth Fong <Captain Kenneth Fong <kenneth.fong@pd.boston.gov>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>

**Subject:** Re: Saturday Thunderstorm 4:00PM

Thank you Chuck !

Respectfully,

Eric Johnson

**Security Project Manager**

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<http://linkedin.com/in/eric-johnson-9702a62b>.

[www.lan-tel.com](http://www.lan-tel.com)

On Jun 29, 2019, at 4:57 PM, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

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<mime-attachment>

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**From:** Linda Calnan <linda.calnan@boston.gov>

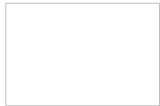
**Sent:** Wednesday, July 03, 2019 7:26 AM EDT

**To:** Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) <Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>; Steven Whitman <Steven Whitman <steven.whitman@pd.boston.gov>>; Rodriguez, Daniel  
**CC:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**Subject:** Security Camera Strategy Meeting - Status Report for Today's Meeting  
**Attachment(s):** "Security Camera Strategy Meeting\_7-3-19.docx"

Attached is the updated status report for today's meeting.

Please note: because we are on the summer schedule, our next meeting will be 7/31/19.

Thanks.



**Linda Calnan**  
**Sr. Project Manager | [Department of Innovation & Technology \(DoIT\)](#) | City of Boston**

1 City Hall Square, Room 109  
Boston, MA 02201  
D: 617-635-2875  
C: 781-738-2020  
[linda.calnan@boston.gov](mailto:linda.calnan@boston.gov)



**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Monday, July 08, 2019 7:02 AM EDT  
**To:** Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Gerald Reardon <Gerald Reardon <GReardon@CambridgeFire.org>>  
**Subject:** PSnet BridgeWave order; were antennas included?  
**Attachment(s):** "smime.p7s"

Sarah,

When I retrieved the BridgeWave radios from Cambridge Fire, I did not see any antennas, just the radios themselves. It is possible they were received, but placed somewhere else.

Since the antennas were on the quote you received from CDW-G, I had assumed they were also ordered. Can we check on status?

For the record, I have staged the first pair of BridgeWave radios for the 18 GHz band. So far, everything is going smoothly. It is clear that these radios were designed to meet the current requirements of carriers, even including support for carrier Ethernet, which is much more capable than traditional Ethernet.

...Chuck

--

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

**From:** Reardon, Gerry <GReardon@CambridgeFire.Org>

**Sent:** Monday, July 08, 2019 8:21 AM EDT

**To:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>

**CC:** Sarah Plowman <Sarah Plowman <Sarah.Plowman@boston.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>

**Subject:** Re: PSnet BridgeWave order; were antennas included?

Chuck the antennas did get received, they came during a six pallet load from Motorola. They probably are located in the second floor storage area.

I'll have them located.

Gerald R. Reardon  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jul 8, 2019, at 07:02, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

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...Chuck

--

---

Chuck Wade, Principal  
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+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Monday, July 08, 2019 9:09 AM EDT

**To:** Reardon, Gerry

**CC:** Chuck Wade <Chuck@interisle.net>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>

**Subject:** Re: PSnet BridgeWave order; were antennas included?

Thanks to you both!

On Mon, Jul 8, 2019 at 8:21 AM Reardon, Gerry <[GReardon@cambridgefire.org](mailto:GReardon@cambridgefire.org)> wrote:

Chuck the antennas did get received, they came during a six pallet load from Motorola. They probably are located in the second floor storage area.

I'll have them located.

Gerald R. Reardon  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
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B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

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Chuck Wade, Principal  
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--

**Sarah Plowman**

Project Director

Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400

Fax: 617.635.2974

**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Monday, July 08, 2019 9:17 AM EDT  
**To:** Reardon, Gerry  
**CC:** Sarah Plowman <Sarah.Plowman@boston.gov>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Fred Goldstein <Fred@interisle.net>>  
**Subject:** Re: PSnet BridgeWave order; were antennas included?  
**Attachment(s):** "smime.p7s"

Thanks, Gerry.

We don't need them immediately, but wanted to make sure we had them in hand.

...Chuck

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

On 7/8/19 8:21 AM, Reardon, Gerry wrote:

Chuck the antennas did get received, they came during a six pallet load from Motorola. They probably are located in the second floor storage area.

I'll have them located.

Gerald R. Reardon  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jul 8, 2019, at 07:02, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

When I retrieved the BridgeWave radios from Cambridge Fire, I did not see any antennas, just the radios themselves. It is possible they were received, but placed somewhere else.

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...Chuck

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---

Chuck Wade, Principal  
Interisle Consulting Group  
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+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)



**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Monday, July 08, 2019 7:13 PM EDT  
**To:** John Surette <John.Surette@PD.Boston.gov>>  
**CC:** Sarah Plowman <Sarah.Plowman@Boston.gov>>; Shawn Romanoski <Shawn.Romanoski@PD.Boston.gov>>; Scott Wilder <SWilder@BrooklineMA.gov>>; Eric Johnson <Eric.Johnson@EJohnson@LAN-TEL.com>>; Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin@Interisle.net>>  
**Subject:** Re: PSnet: Equipment for 1 Ashburton  
**Attachment(s):** "smime.p7s"

John,

PSnet needs to move forward on deploying new microwave backbone links to address the loss of multiple important links over the past year. We are down to only two working links that go via JFK, and so PSnet also needs to vacate the JFK site. Note that the JFK<=>Somerville PD link is poor and susceptible to wind. The other link into JFK is from 35 Northampton.

Consequently, we need to come to a decision quickly as to whether or not PSnet could leverage the 1 Ashburton roof for new microwave links. If this is going to continue to drag on, then we need to move to alternative plans immediately. It would be much appreciated if you could advise us on the probability that we can arrange to get on 1 Ashburton.

Note that our original plan for leveraging 1 Ashburton included microwave links to 35 Northampton and Soldiers' Home, along with tapping into the Loop A fiber. However, the Government Center Garage construction also blocks the microwave path from 1 Ashburton to Soldiers' Home.

The two most attractive alternative shots into the Metro North region from 1 Ashburton are to Winthrop PD or to Whidden Hospital. In both cases, there are existing FCC licenses from these sites to JFK that could be re-coordinated to go to 1 Ashburton instead. This won't save much time with getting the 1 Ashburton FCC licenses, but we at least know these frequencies are effectively reserved for PSnet, given the proximity of the paths.

If we can't use 1 Ashburton, then we will have to fall back to our alternative plan of using the Avalon (1 Leighton) site in Cambridge to shoot to Soldiers' Home. We will also shift the 35 Northampton to 1 Ashburton link to another path that will help close some of the gaps that have emerged in the PSnet backbone recently.

Thank you...  
...Chuck

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

On 6/24/19 1:14 PM, Chuck Wade wrote:

Sarah, John,

There is increased urgency for a new link from downtown Boston to Soldiers' Home, since it appears that the construction next to the A1 Station has killed the PSnet backbone link between JFK and Whidden Hospital. Unfortunately, this link carried a lot of traffic, and its loss degrades PSnet backbone resilience for the metro North Region (Everett, Chelsea, Revere, Winthrop).

If we could add in the link to Soldiers' Home using the radios that will be delivered this week, then that would restore necessary path diversity. At the same time, we will need to re-evaluate this path, since the new construction may very well interfere with a shot from 1 Ashburton to Soldiers' Home. If this is the case, then we have several options:

- Shoot from 1 Ashburton to Winthrop PD. Note that we have an existing 18 GHz license between JFK and Winthrop PD, though failure of the radio at JFK means this link is not up. Re-coordinating this existing license to 1 Ashburton should be relatively easy, given the proximity of 1 Ashburton to the JFK Federal Building.
- Shoot to Soldiers' Home from either Avalon (1 Leighton) or Millers River (15 Lambert) in Cambridge. Both sites are on City fiber, and the PSnet switches at Avalon even have diverse fiber paths to both Healy and Cambridge Fire. Avalon was our fallback choice if we could not get onto 1 Ashburton.
- We also have the option of shooting to Soldiers' Home from Longfellow Apartment Towers. The primary detriment to this is that we do not have dark fiber into this commercial building.

Other options exist, but current thinking is that the 1 Ashburton to Winthrop PD path would be preferred. There is a direct microwave link from Winthrop PD to Soldiers' Home, and Winthrop PD has diversely-routed fiber into Revere, and a new connection via BoNet. Revere fiber reaches two other sites with microwave connections to



Soldiers' Home, though both have issues.

We'd be happy to have a phone call to discuss how this new situation affects our plans. Let us know if this would be helpful.

...Chuck

---

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On 6/6/19 11:39 AM, Sarah Plowman wrote:

Thanks so much for sending this out, Chuck! John, let me know what else you need from OEM to keep this rolling.

On Wed, Jun 5, 2019 at 4:25 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

John,

As previously indicated, PSnet has modest needs for rack space at 1 Ashburton. An allocation of 18 U of rack space should be more than sufficient.

Furthermore, we do not anticipate that there will ever be more than a half dozen microwave radios deployed at 1 Ashburton, and 3 - 4 would be consistent with current plans. Initially, we need to deploy two licensed microwave links to 35 Northampton and Soldiers' Home. Information on these links was provided in my email sent on 3-May at 22:03. We anticipate that the largest antennas we will use will be 60 cm (2 ft) dishes.

For equipment that would be located inside the roof penthouse, here is what we plan to deploy:

| Description                        | Quantity | # U each | Total # U |
|------------------------------------|----------|----------|-----------|
| Shelf for microwave power supplies | 1        | 2 U      | 2 U       |
| Patch Panel, Cat6                  | 1        | 1 U      | 1 U       |
| Fiber LIU                          | 1        | 1 U      | 1 U       |
| Cisco 3750G-12S L2/3 switch        | 4        | 1 U      | 4 U       |
| Tripp Lite PDU w/ ATS              | 1        | 1 U      | 1 U       |
| Tripp Lite UPS                     | 2        | 2 U      | 4 U       |
| Totals:                            | 10       |          | 13 U      |

The Cisco switches will be deployed as two independent stacks, with two members each. Not only will these connect into Loop A fiber to reach the PSnet backbone, but all microwave radio connections will be made using MMF. Hence, the reason we're using switches with all SFP ports.

If there is a system UPS available, we could use that instead of providing dedicated UPSs. However, I suspect that in this context, we're better off bringing our own UPSs.

I have also attached a pdf from one of our spreadsheets that we use for deployment planning. This assumes a 24U rack, but the PSnet equipment could comfortably fit into an 18U rack. If we mount the PSnet equipment in an existing rack, then we would want to have 18 U reserved, and we would prefer to have the UPSs mounted at the bottom of the rack.

For the microwave power supplies, I have indicated a rack-mount shelf, with 2U of space allocated. However, depending on how cabling will be routed to the microwave radios, power supplies and ancillary lightning arrestors may be mounted differently (ESD protection is only needed for power connections). Note that we use ODU-only microwave radios, so power supplies are the only indoor equipment for these radios, and the power supplies could be mounted outside as well.

We're happy to answer any further questions or assist in any way with moving this forward.

...Chuck

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**Sarah Plowman**

Regional Planner

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**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Wednesday, July 10, 2019 4:59 PM EDT

**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

**CC:** Susan O'Byrne <=?UTF-8?B?U3VzYW4gT+KAmUJ5cm5l?= <sobyne@lan-tel.com>>; Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>

**Subject:** Re: MACU MBSHR Reserved Dates

**Attachment(s):** "9919262-DOINNOV-6-28-2019-2.PDF"

Hello Eric, Susan, and Joe,

I'm attaching here the MACU invoice for June. I notice that Quincy used the vehicle for two events. The second event on the invoice, "Rally for life (Quincy)-Planned" was in fact not planned, at least not according to the dates I submitted in the previous email dated June 24, which were originally confirmed at the June 4 Critical Infrastructure meeting. Joe - if this list had changed in the interim and you would like to use your seconded/(final!) planned event for the Rally for Life, please confirm so here, and then we can process those on the invoice. I will then update the list of scheduled events by removing the Dec 1 Christmas Parade. If, however, Quincy wants to retain the original approved plan and use the Dec 1 Christmas Parade as the second planned event, we will have to remove this Rally for Life item from the invoice and Quincy will need to settle that bill with LAN-TEL on their own.

Joe - please advise.

Thank you,  
Sarah

On Mon, Jun 24, 2019 at 9:39 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hello Eric,

This email serves to follow up our conversation at the UASI Day of meetings this month where we went over the submitted dates for the MBHSR use of the MACU vehicle. I've copied the MBSHR representatives here who have requested these dates. As was stated in the contract, each community can request up to two events over the course of the year, reserving the remaining uses for emergency incident call outs. Here's what I have for the life of the contract to date:

- June 15, Flag Day Parade (Quincy)
- June 23, Casino opening (Everett)
- June 27, Fireworks (Somerville)
- July 27, Sand Castles (Revere) -- note, they also are considering adding on either Friday or Sunday as well.
- August 24, Caribbean Festival (Boston)
- September 7, River Fest (Somerville)
- September 8, Caribbean Festival (Cambridge)
- September 14, City Festival (Everett)
- December 1, Christmas Parade (Quincy)
- April 20, 2020, Boston Marathon (Boston)

Thank you,  
Sarah

--

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**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Wednesday, July 10, 2019 5:09 PM EDT

**To:** Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>

**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>

**Subject:** Re: FatPot

Thank you so much for this final update, Roger. It has been great to work with you (all) on this project. Thanks for your commitment to the FATPOT/Tellus platform and servicing the region.

Sarah

On Fri, Jun 28, 2019 at 6:51 PM Roger Salisbury <rsalisbury@tellus.us> wrote:

Sarah,

As I promised and a formality, here's an end of month update on the previously outstanding tasks:

- **Somerville:** Connected!
- **BRIC db connect:** Migrated from Test to Production. Done!
- **Esri Interface:** I misspoke in an earlier report that this was a pending project deliverable. It was completed around the Jan 2019 time period. Esri (who we connect to) made a breaking change on their side. This is fixed in our product but waiting for it to get all the way through our QA process so a new version can be deployed. This is actually a maintenance effort and will be deployed to the Boston production site in the next week or two.
- **Migrating all the Watchdog Alerts to Production:** Done!

Then, as a descope effort to the project because they are a late-comer, Boston PD has finally come back around. We just got the nod from Superintendent Daley this past Wed and are coordinating efforts between our teams to get this done. If they continue to be responsive, we should have Boston PD/FD back on the system in the next week or two. GOOD NEWS!

Have a great weekend!

Thanks,

Roger Salisbury

Project Manager

**Tellus**

801-397-3973 x5146

*Tellus is now a CentralSquare company*

On 6/26/2019 1:39 PM, Sarah Plowman wrote:

This is all great, Roger. Thank you for your commitment to see this through. Eric (Johnson), please generate a final invoice for us and get it to me before the end of the day Friday. It should be for the balance of the project. Please reach out to me if you have questions on how to format the invoice or what detail should be included on it.

On Wed, Jun 26, 2019 at 2:28 PM Roger Salisbury <rsalisbury@tellus.us> wrote:

<<Boston PD removed>>

Sarah,

Boston PD has come in too late for us to get them integrated before the project close out deadline. It's compounded with the fact that I'm out of the office at a conference most of this week. Our SOW clearly excuses us of the obligation of being held responsible for an agency that is nonresponsive. I can share that verbiage with you if you need access to that.

Having said that, this should allow us to close out the project according to the contract terms in spite of their delays, which is good news from the project management side. In addition to that, please know that we will still commit to working with Boston PD over the next few days/weeks to get them re-integrated in order to make the system whole again. With this approach, we get the best of both worlds (project close out doesn't need to be held up and we get Boston PD re-engaged, albeit slightly after-the-fact).

I'm preparing updates for you (tomorrow or Fri) regarding the other small items that have been outstanding. I think we're in a good position from the project close-out point of view.

Questions?

Thanks,

Roger Salisbury  
Project Manager

**Tellus**

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*Tellus is now a CentralSquare company*

On 6/26/2019 11:36 AM, John Daley wrote:

Hi Sarah,

I believe that the BRIC and Fatpot have a connection in place. I think Rich Laird and Hutch have worked out the data schema and so the fat pot guys should talk to Rich to add the cad data.

On Wed, Jun 26, 2019 at 11:22 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:  
Hello all -

Just closing the loop on this. Can BPD and Tellus please confirm that you have what you need and the work is moving ahead? This must be completed this week. Please advise status ASAP.

Thank you,  
Sarah

On Tue, Jun 25, 2019 at 1:14 PM Thomas Hutchings <[thomas.hutchings@pd.boston.gov](mailto:thomas.hutchings@pd.boston.gov)> wrote:

Supt

We last left this was the that they were they were going to access the data through the BRIC for the access since they have access to the data needed and it would not interfere with live CAD dispatch

Thanks Hutch

On Jun 25, 2019, at 12:10 PM, Roger Salisbury <[rsalisbury@tellus.us](mailto:rsalisbury@tellus.us)> wrote:

Superintendent Daley,

We are trying to close out the regional project that involves upgrading the 'FATPOT' (re-branded as 'Tellus') CAD sharing platform. Since the Hexagon 9.2 - 9.4 upgrade in November, the Boston PD/FD CAD sharing was knocked off. We stand ready to help restore that connection to the original baseline CAD sharing level which essentially includes call natures and locations - nothing more that it was.

We also know that BPD is in the middle of other major projects and upgrades and would be truly grateful for a small amount of assistance from your people. The benefits of BPD's continuing participation is very important as it is the catalyst for UASI and MBHSR interoperability.

We will do all the heavy lifting but need some assistance from your people in the following tasks:

1. A networking meeting involving your network staff and InterIsle to plan a connection between your Hexagon v9.4 CAD and the 'FATPOT' server via a secure PSnet connection. (approx 20 conversation and follow up network provisioning tasks)
2. A remote work session where we install our updated CAD adapter on a host machine owned/managed by Boston PD/FD. (approx 1 hr).

Both Zach Shark and Thomas Hutchings have been involved in some prior discussions and should have a decent level of familiarity with the details. I believe that they should be in a position to help with the process and audit the implementation to ensure that BPDs interests are met.

**May we have your permission to proceed?**

Thanks,  
Roger Salisbury  
Project Manager  
**Tellus**  
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*Tellus is now a CentralSquare company*

On 6/24/2019 9:22 AM, Shawn Romanoski wrote:

Superintendent Daley,

OEM has requested our assistance with closing out the FATPOT deliverable for this year. It is in regards to the incident location and time if I recall the discussion.

The point of contact for the FATPOT data would be Roger Salisbury. Roger is CC'd on this email.

Shawn Romanoski  
Director of Telecommunications  
Boston Police Dept.  
(617) 594-2994

On Jun 24, 2019, at 10:13 AM, Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:

Roger  
I have Shawn Romanoski on email he is going to help with getting back to baseline info for Boston PD .

Respectfully,

Eric Johnson  
**Security Project Manager**

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[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣ □

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Thursday, July 11, 2019 4:58 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Reardon, Gerry  
**CC:** Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>  
**Subject:** Re: PSnet BridgeWave order; were antennas included?  
**Attachment(s):** "smime.p7s"

Sarah,

I spoke with Gerry yesterday, and he indicated that the antennas were not with the other Motorola equipment that was received. It appears that these items have yet to be delivered. I assume that Boston Purchasing can follow up with CDW-G on status of delivery.

Thanks...  
...Chuck

---

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On 7/8/19 9:09 AM, Sarah Plowman wrote:

Thanks to you both!

On Mon, Jul 8, 2019 at 8:21 AM Reardon, Gerry <[GReardon@cambridgefire.org](mailto:GReardon@cambridgefire.org)> wrote:  
Chuck the antennas did get received, they came during a six pallet load from Motorola.  
They probably are located in the second floor storage area.

I'll have them located.

Gerald R. Reardon  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jul 8, 2019, at 07:02, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

When I retrieved the BridgeWave radios from Cambridge Fire, I did not see any antennas, just the radios themselves. It is possible they were received, but placed somewhere else.

Since the antennas were on the quote you received from CDW-G, I had assumed they were also ordered. Can we check on status?

For the record, I have staged the first pair of BridgeWave radios for the 18 GHz band. So far, everything is going smoothly. It is clear that these radios were designed to meet the current requirements of carriers, even including support for carrier Ethernet, which is much more capable than traditional Ethernet.

...Chuck

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Thursday, July 11, 2019 5:02 PM EDT  
**To:** Sarah Plowman <Sarah.Plowman@Boston.gov>  
**CC:** Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Peter Baker <Peter Baker <PBaker@LAN-TEL.com>>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "smime.p7s"

Sarah,

Was this end-of-FY order placed? If UPSs and PDUs have been delivered, it would be helpful for planning purposes to know what we have in the way of inventory.

Thanks...

...Chuck

---

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On 5/24/19 2:24 PM, Sarah Plowman wrote:

Makes sense! Thanks so much for the clarification.

On Fri, May 24, 2019 at 2:24 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

The PDUs also use the same WEBCARDLX management cards. That's a good thing, since we have only one management interface to support, and we can use the same spares for both PDUs and UPSs. For the record, the "NET" at the end of the PDU models indicates these include management cards.

...Chuck

---

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On 5/24/19 2:20 PM, Sarah Plowman wrote:

Ok very good. Just to confirm - is it just the UPS that comes with those cards, or is this also expected in the PDUs as well?

On Fri, May 24, 2019 at 2:17 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

Based on recent experience with CDWG, their catalog listings are often out of date. As far as I know, the UPSs with "LCDN" in their model names only come with the WEBCARDLX management cards (the 'N' is what indicates that a management card is included).

If you can get your purchasing department to stipulate in their bid request that these units should come with the WEBCARDLX, that should resolve any confusion.

I seriously doubt that Tripp Lite is selling the older SNMPWEBCARDS bundled with their UPSs and PDUs. They can still be ordered as a replacement part, but Tripp Lite knows these things are junk. Hence, I doubt there will be a problem.

...Chuck

---

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On 5/24/19 2:07 PM, Sarah Plowman wrote:

Ooh thanks for the catch!

On Fri, May 24, 2019 at 2:05 PM Colin Strutt <[colin@interisle.net](mailto:colin@interisle.net)> wrote:

Sarah,

I am responding to this since AFAIK Chuck is off now until the end of the holiday weekend.

The quote you have received is for devices which include the SNMPWEBCARD (the management card we use to manage these devices).

However, as Chuck noted (and I have highlighted in **red** in the note below) we expect the new units to come with the WEBCARDLX instead – this is a management card that actually works, as the SNMPWEBCARDS were completely unreliable.

It would be nice to ensure that the units we order come with the newer management cards, and not the older ones – otherwise we'd then have to go and purchase replacement management cards for each.

I hope this does not cause too much of a problem.

Regards,

colin

**From:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>

**Sent:** Friday, May 24, 2019 1:57 PM

**To:** Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)>

**Cc:** Eric Johnson <[EJohnson@lan-tel.com](mailto:EJohnson@lan-tel.com)>; Colin Strutt <[Colin@interisle.net](mailto:Colin@interisle.net)>; Fred Goldstein <[Fred@interisle.net](mailto:Fred@interisle.net)>

**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order

Chuck et al - great news. Due to some cost savings, I was able to bump up our order. Thus, I am ordering your recommended UPS/PDU combos for all five sites listed (Winthrop PD, Somerville PD, Walnut Park, Mather School, and Pasquicco Apartments). The first two sites have the (two) 2200kVA UPS and (one) 16-outlet PDUs each. The last three have (two) 1500kVA UPS and (one) 8-outlet PDUs each. Additionally I ordered 3 more of the 8-outlet PDU as extra spares. I'm attaching the CDW quotes that I referenced in the order, however, once Purchasing puts it out to bid it might wind up coming in slightly less expensively and from somebody else entirely - we'll see.

Thanks again for your help!!

On Mon, May 20, 2019 at 12:46 PM Sarah Plowman  
<[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thank you! I'm getting a quote and I'll send it over for you to look at when I get it.

On Wed, May 15, 2019 at 12:02 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

I finally got a chance to review my input with Eric, since I wanted to include his perspective relative to some of the CIMS sites.

Eric and I agree that the two most important sites at this point are Somerville and Winthrop Police Departments. Both PDs have PSnet/CIMS racks that are not adequately protected by redundant UPSs, and the UPSs that are installed are not suitable for protecting equipment when power is transferred to standby generators.

Each site will require a pair of the Tripp Lite 2200kVA UPSs, plus one Tripp Lite 16-outlet PDU with ATS. This may consume your year-end equipment budget.

If there are remaining funds, then my recommendation would be to acquire several of the Tripp Lite 8-outlet PDUs with ATS. This will allow us to deploy a transition step toward eventual upgrade of other sites.

In terms of other priority sites, the ones that Eric and I agreed on are Walnut Park (Egleston Tower), Mather School, and Pasciucco Apartments. These smaller sites would use the 1500 kVA UPSs, and 8-outlet PDUs. However, we would again want two UPSs per site for redundancy.

I hope this gives you something to work with...  
...Chuck

---

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On 5/13/19 4:18 PM, Sarah Plowman wrote:

Hi Chuck and all,

Just pinging you again on this. Chuck, any thoughts on the top 1-3 PSnet sites that most need this equipment, and a list of items/quantities required per site? I'll get right on putting an order in but I think we should do it by site if possible.

Your thoughts?

Sarah

On Tue, May 7, 2019 at 11:47 AM Sarah Plowman  
<[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thanks again for this. Just by way of update: I had thought we had more available to spend -- but that's because I hadn't yet put in the order for the MS 2019 licenses. After deducting that, our balance is approx \$6,500. Therefore, I can't make very much headway on your list. What might be more helpful (?) would be if you could envision the top 1-3 sites that most need this equipment, and then let me know what (items and quantities) specifically you would deploy at each site. Perhaps we can "outfit" one or two sites completely with the small remaining funds?

On Tue, Apr 30, 2019 at 2:45 PM Chuck Wade  
<[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

In response to your email from yesterday where you requested information on potential orders for UPSs and PDUs, I'm resending this memo from last May that I believe provides most of what you might need.

I have not touched the attached Excel workbook. It is out of date, but I won't be able to get around to updating it until later. The most significant changes are that we have deployed most of the management cards you bought for us last June (Thanks!). We've also replaced most of the environmental monitors. The new management cards work *much* better, which is also to say that they actually work!

Also, LAN-TEL has procured replacement batteries, and we have refreshed battery packs in all of the Tripp Lite UPSs. Again, this is a welcome improvement. We are finally in a good place as far as power management is concerned for most of our important sites.

The attached workbook has a couple of worksheets that should be updated for planning purposes. We'll get together with LAN-TEL to update this information, and provide forward projections on what equipment is needed to improve power management at other sites.

In the meantime, I suggest you use the first worksheet (tab) to estimate what might fit within the available year-end budget. Anything that gets ordered in the near term will get deployed quickly to sites where needed, and will help to improve overall reliability and resilience of PSnet and CIMS installations.

Here is a quick summary of what I know we could use immediately, recognizing that this will probably exceed available budget.

| Description  | Model         | Order Quantity | Unit Price |
|--|---------------|----------------|------------|
| PDU with 8 outlets, ATS, LX mgt card                       | PDUMH15ATNET  | 6              | \$440.00   |
| PDU with 16 outlets, ATS, LX mgt card                      | PDUMH20ATNET  | 6              | \$550.00   |
| UPS 1.5 KVA capacity, 6 outlets, LX mgt card               | SU1500RTXLCDN | 4              | \$1,100.00 |
| UPS 2.2 KVA capacity, 6 outlets + 1 L5-20R, LX mgt card    | SU2200RTXLCDN | 4              | \$1,450.00 |
| Environmental Monitor, Temperature, Humidity & Inputs      | E2MTHDI       | 12             | \$110.00   |
| Rack/wall mount kit for 2-post racks (UPSs, Battery Packs) | 2POSTRMKITWM  | 4              | \$60.00    |

The above order quantities are just suggestions, and reflect what I know we could immediately deploy. I suggest we iterate on this when you have a better idea of what is available to spend. If you plug order quantities into the first sheet in the

attached workbook, it will tally the estimated purchase cost for you, which you can then compare against quotes you receive.

I do suggest reviewing my earlier memo below, since I tried to explain a lot of the decision points in ordering power management equipment.

As always, I'm happy to answer further questions or work with you on refining the actual order.

...Chuck

----- Forwarded Message -----

**Subject:**PSnet: Planning for new Tripp Lite PDU/UPS order  
**Date:**Wed, 23 May 2018 17:38:28 -0400  
**From:**Chuck Wade <[Chuck@Interisle.net](mailto:Chuck@Interisle.net)>  
**Organization:**Interisle Consulting Group, LLC  
**To:**Sarah Plowman <[Sarah.Plowman@Boston.gov](mailto:Sarah.Plowman@Boston.gov)>, Michele Bilodeau <[Michele.Bilodeau@Boston.gov](mailto:Michele.Bilodeau@Boston.gov)>  
**CC:**Scott Wilder <[SWilder@BrooklineMA.gov](mailto:SWilder@BrooklineMA.gov)>, Fred Goldstein <[Fred@Interisle.net](mailto:Fred@Interisle.net)>, Colin Strutt <[Colin@Interisle.net](mailto:Colin@Interisle.net)>

Sarah, Michele,

I have attached an Excel workbook that provides both a template for placing an order for Tripp Lite new equipment and spares, as well as plan for what sites should receive power management systems. This follows on from my prior memo that provided background on the equipment currently deployed.

The workbook is organized into three tabs as follows:

#### 1. Order Plan

This is intended to serve as a template for indicating what equipment to order and estimating pricing, as well as total order price. Some points worth noting:

- The model numbers are current in the Tripp Lite catalog. See the provided links to the product pages, where there are additional links to support pages and all product literature.
- Prices are rough estimates of current street prices. If you visit the product pages, there is a button that will pop up a list of resellers along with their current prices.
- **Although the PDU model numbers are the same as what we ordered previously, these PDUs now come with the new WEBCARDLX instead of the older SNMPWEBCARD.**
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- Normally, we would not need to order WEBCARDLX models, since these come with the PDUs and UPSs. However, since we need to replace the defective SNMPWEBCARDS, I've included a line item for these, along with a quantity that would allow us to replace all of the older management cards.
- The E2MTHDI model is an environmental probe that

can also be used for some physical security measures, such as detecting door open/close conditions or water. In addition any probes needed for upgraded sites, we also need to replace the older ENVIRONSENSE probes that do not work with the new WEBCARDLX management cards. We need a total of 22 E2MTHDI probes to replace the probes we currently have deployed.

- I have included the RBC94-2U battery kits that can be used to replace batteries in any of the Tripp Lite UPSs we currently have deployed, as well as the new UPS models referenced.
- Two types of expansion battery packs are included as line items. These can be used with any of the new/old UPSs to extend run time. Functionally, these are equivalent, but the BP48V242U models do not include a means for daisy chaining to additional expansion packs and they have slightly less capacity than the BP48V27-2US models that are extendable. I'm not sure we need any of these expansion packs at this time.
- The rack mount kit is used when mounting UPS or Battery Expansion Packs into a 2-post rack. A lot of our sites, especially the radio sites, use 2-post racks. This same kit can also be used to wall-mount a UPS, which is sometimes helpful.
- The "Potential Quantity" column reflects what we would need in order to upgrade sites that either do not have any power management, or that have old systems that need to be replaced. This comes from the "Site Pwr. Mgt. Plan" sheet. See below.
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## 2. Site Deployments

This worksheet was derived from another list that I pulled as a convenient listing of the major PSnet and CIMS sites. I did not bother to finish filling in other details, such as addresses and zip codes, since I have this in other documents. This list was expanded to include columns for PDUs, UPSs, Remote Management cards, Environmental Monitoring probes, and Expansion Battery Packs. I then filled in current deployment numbers for each site in the corresponding columns. The equipment columns were then totaled, and cross checked against another inventory workbook we maintain for the Tripp Lite equipment. Additional details worth noting are:

- If a site has a standby generator, I've indicated so in this column. However, note that the presence of a standby generator does not mean it is available. It might not work well, or have adequate power capacity. There is also the question as to whether the standby generator is available on circuits used by PSnet. This is an issue we should research with each site, and work with the site owners to resolve any problems. (We've actually done this a fair amount in the past.)
- Some sites have a large "system UPS" that provides battery-backed up power to multiple rooms, or an entire building. Other sites already have UPSs within the room where PSnet equipment is located that can handle all equipment in the room. This column captures what we know about this

situation. As with standby generators, there are further details we need to document and we may need to address any deficiencies with the owner.

- The "Any PSnet Pwr Mgt?" column uses a formula to reflect whether any of the columns to the right have values indicating that there is already PSnet power management at the site, whether adequate or not.
- The remaining columns to the right are used to capture quantities of each type of equipment that might be deployed at the site associated with each row. These columns are totaled to check that the deployment counts match other inventory data. These columns are grouped as follows:

- **PDUs:** There are three types of managed PDUs used within PSnet. The DL EPC column refers to the old Digital Loggers brand Ethernet Power Controllers (EPC-8000 or PC-8000 model variants). These DL EPC models have mostly failed (sometimes spectacularly), and they are more of a liability than an asset. The two "TL PDUMHxxAT" columns correspond to the Tripp Lite models we've been using. "Other" is to account for some of the cats and dogs we've inherited, though I haven't bothered to do much with this yet.
- **UPSs:** The TL SU1500RT and TL SU2200RT columns are for the corresponding Tripp Lite UPS models we've been using. We also have APC SmartUPS1500 and SmartUPS3000 models deployed, though many of these need a refurb due to failure to replace batteries on schedule. Other UPSs are found at some sites, and I've indicated this in a few cases.
- **Remote Management:** This is intended to keep track of the two types of Tripp Lite management cards, as well as the APC management cards. I have not really made an effort yet to reflect the existence of APC cards, though we need to do this. The SNMPWEBCARD column counts the number of Tripp Lite PDUs and UPSs in the columns to the left to indicate how many of these cards are at a site.
- **Environmental Monitoring:** The intention is to fill in inventory information regarding what type of probe is used at a site, assuming there is any environmental monitoring at all. This info may be incomplete.
- **Expansion Battery Packs:** Again, these columns are intended to track where expansion packs are deployed. We don't have a lot of these right now. They are typically used at vital sites without standby generators.

### 3. Site Pwr. Mgt. Plan

The "Site Deployments" worksheet described above was copied, and re-purposed to serve as a means for planning what we might need in the way of power management equipment to upgrade all sites that need power management. An additional "Pwr. Mgt. Needed?" column was added to plan which sites need power management, and what types of equipment might be needed. Obviously, this should include more comprehensive reviews of plans on a site-by-site basis, but this column reflects a reasonable guesstimate as to what would be reasonable. After filling in this column, I then updated the columns to the right to indicate what needs to be installed



at the site. Some further explanations are in order:

- The inventory columns include both currently deployed inventory, as well as planned deployments. These columns are also totaled as with the previous "Site Deployments" worksheet. I use the "Pwr. Mgt. Needed?" column to allow me to differentiate between current deployments and planned deployments.
- The WEBCARDLX column attempts to calculate the number of WEBCARDLX management cards that will be acquired with new PDUs and UPSs. This is not perfect, but mostly serves as a sanity check. This does not reflect any separate orders, but may guide plans for how many spares to keep on hand.
- At the bottom of this workbook, I have added a new row below the Total equipment summary line. The new row calculates the "Potential New Equipment" by subtracting the total above from the totals found on the "Site Deployments" worksheet. Again, the objective here is to obtain a reasonable estimate of what we might rationally need as we continue to upgrade and improve sites throughout PSnet and the CIMS camera backhaul sites. The relevant numbers in this row are carried into the "Potential Quantity" column in the "Order Plan" worksheet described above. These numbers can be used as guides in deciding what to order now.

Finally, let me note that I am not proposing that we go out and order sufficient PDUs and UPSs to address all potential site needs within PSnet. Since the UPSs in particular have shelf lives (due to the batteries), it does not make sense to order well in advance of when we will be able to deploy the equipment. This also applies to spare batteries, which can degrade faster sitting on a shelf than when in use in a UPS. We need to establish a schedule for battery replacements that will drive an acquisition plan. Eventually, it might make sense to contract separately for the regular maintenance on power management systems. We just need to make sure that the contract stipulates the appropriate responsibilities and disciplined practices to keep up with this stuff. The region might even think about doing this for more than just PSnet sites, since the problem affects many sites and agencies.

I realize this is not yet a final order. However, we need to reconcile the Tripp Lite order with other equipment planned for purchase using your "cost savings." My suggestion is that we refine what will be spent for other equipment categories, and then estimate what will be left. The Tripp Lite order can then utilize whatever the remainder is. My inclination would be to prioritize dealing with the deficient SNMPWEBCARD management cards and ENVIROSENSE probes first, so we can stop the pain and begin to move ahead with this stuff.

I'm happy to answer any questions, or chat with you about how to proceed.

...Chuck

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**Sarah Plowman**

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One City Hall Square | Boston, MA 02201

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**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Friday, July 12, 2019 10:02 AM EDT

**To:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>

**CC:** Colin Strutt <Colin Strutt <Colin@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Peter Baker <Peter Baker <PBaker@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>

**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order

**Attachment(s):** "PO 703766 UPS PDU.pdf"

Hello Chuck, et al,

Yes, it was. The order was delivered to Scott at Brookline PD and I was under the impression that either you or Eric already had picked it up.

Per your email May 15 (earlier in this thread, also copied below for convenience), I ordered UPS/PDU supplies for 5 sites (Somerville PD, Winthrop PD, Walnut Park, Mather School, and Pasciucco Apartments). I'm attaching the PO for your reference as well.

Thanks,  
Sarah

Email from May 15:

Sarah,

I finally got a chance to review my input with Eric, since I wanted to include his perspective relative to some of the CIMS sites.

Eric and I agree that the two most important sites at this point are Somerville and Winthrop Police Departments. Both PDs have PSnet/CIMS racks that are not adequately protected by redundant UPSs, and the UPSs that are installed are not suitable for protecting equipment when power is transferred to standby generators.

Each site will require a pair of the Tripp Lite 2200kVA UPSs, plus one Tripp Lite 16-outlet PDU with ATS. This may consume your year-end equipment budget.

If there are remaining funds, then my recommendation would be to acquire several of the Tripp Lite 8-outlet PDUs with ATS. This will allow us to deploy a transition step toward eventual upgrade of other sites.

In terms of other priority sites, the ones that Eric and I agreed on are Walnut Park (Egleston Tower), Mather School, and Pasciucco Apartments. These smaller sites would use the 1500 kVA UPSs, and 8-outlet PDUs. However, we would again want two UPSs per site for redundancy.

I hope this gives you something to work with...  
...Chuck

On Thu, Jul 11, 2019 at 5:02 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

Was this end-of-FY order placed? If UPSs and PDUs have been delivered, it would be helpful for planning purposes to know what we have in the way of inventory.

Thanks...  
...Chuck

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On 5/24/19 2:24 PM, Sarah Plowman wrote:

Makes sense! Thanks so much for the clarification.

On Fri, May 24, 2019 at 2:24 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

The PDUs also use the same WEBCARDLX management cards. That's a good thing, since we have only

one management interface to support, and we can use the same spares for both PDUs and UPSs. For the record, the "NET" at the end of the PDU models indicates these include management cards.

...Chuck

---

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On 5/24/19 2:20 PM, Sarah Plowman wrote:

Ok very good. Just to confirm - is it just the UPS that comes with those cards, or is this also expected in the PDUs as well?

On Fri, May 24, 2019 at 2:17 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

Based on recent experience with CDWG, their catalog listings are often out of date. As far as I know, the UPSs with "LCDN" in their model names only come with the WEBCARDLX management cards (the 'N' is what indicates that a management card is included).

If you can get your purchasing department to stipulate in their bid request that these units should come with the WEBCARDLX, that should resolve any confusion.

I seriously doubt that Tripp Lite is selling the older SNMPWEBCARDS bundled with their UPSs and PDUs. They can still be ordered as a replacement part, but Tripp Lite knows these things are junk. Hence, I doubt there will be a problem.

...Chuck

---

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On 5/24/19 2:07 PM, Sarah Plowman wrote:

Ooh thanks for the catch!

On Fri, May 24, 2019 at 2:05 PM Colin Strutt <[colin@interisle.net](mailto:colin@interisle.net)> wrote:

Sarah,

I am responding to this since AFAIK Chuck is off now until the end of the holiday weekend.

The quote you have received is for devices which include the SNMPWEBCARD (the management card we use to manage these devices).

However, as Chuck noted (and I have highlighted in **red** in the note below) we expect the new units to come with the WEBCARDLX instead – this is a management card that actually works, as the SNMPWEBCARDS were completely unreliable.

It would be nice to ensure that the units we order come with the newer management cards, and not the older ones – otherwise we'd then have to go and purchase replacement management cards for each.

I hope this does not cause too much of a problem.

Regards,

colin

**From:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>

**Sent:** Friday, May 24, 2019 1:57 PM

**To:** Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)>

**Cc:** Eric Johnson <[EJohnson@lan-tel.com](mailto:EJohnson@lan-tel.com)>; Colin Strutt <[Colin@interisle.net](mailto:Colin@interisle.net)>; Fred Goldstein <[Fred@interisle.net](mailto:Fred@interisle.net)>

**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order

Chuck et al - great news. Due to some cost savings, I was able to bump up our order. Thus, I am ordering your recommended UPS/PDU combos for all five sites listed (Winthrop PD, Somerville PD, Walnut Park, Mather School, and Pasciucco Apartments). The first two sites have the (two) 2200kVA UPS and (one) 16-outlet PDUs each. The last three have (two) 1500kVA UPS and (one) 8-outlet PDUs each. Additionally I ordered 3 more of the 8-outlet PDU as extra spares. I'm attaching the CDW quotes that I referenced in the order, however, once Purchasing puts it out to bid it might wind up coming in slightly less expensively and from somebody else entirely - we'll see.

Thanks again for your help!!

On Mon, May 20, 2019 at 12:46 PM Sarah Plowman  
<[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thank you! I'm getting a quote and I'll send it over for you to look at when I get it.

On Wed, May 15, 2019 at 12:02 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)>  
wrote:

Sarah,

I finally got a chance to review my input with Eric, since I wanted to include his perspective relative to some of the CIMS sites.

Eric and I agree that the two most important sites at this point are Somerville and Winthrop Police Departments. Both PDs have PSnet/CIMS racks that are not adequately protected by redundant UPSs, and the UPSs that are installed are not suitable for protecting equipment when power is transferred to standby generators.

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On 5/13/19 4:18 PM, Sarah Plowman wrote:

Hi Chuck and all,

Just pinging you again on this. Chuck, any thoughts on the top 1-3 PSnet sites that most need this equipment, and a list of items/quantities required per site? I'll get right on putting an order in but I think we should do it by site if possible.

Your thoughts?

Sarah

On Tue, May 7, 2019 at 11:47 AM Sarah Plowman  
<[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thanks again for this. Just by way of update: I had thought we had more available to spend -- but that's because I hadn't yet put in the order for the MS 2019 licenses. After deducting that, our balance is approx \$6,500. Therefore, I can't make very much headway on your list. What might be more helpful (?) would be if you could envision the top 1-3 sites that most need this equipment, and then let me know what (items and quantities) specifically you would deploy at each site. Perhaps we can "outfit" one or two sites completely with the small remaining funds?

On Tue, Apr 30, 2019 at 2:45 PM Chuck Wade  
<[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

In response to your email from yesterday where you requested information on potential orders for UPSs and PDUs, I'm resending this memo from last May that I believe provides most of what you might need.

I have not touched the attached Excel workbook. It is out of date, but I won't be able to get around to updating it until later. The most significant changes are that we have deployed most of the management cards you bought for us last June (Thanks!). We've also replaced most of the environmental monitors. The new management cards work *much* better, which is also to say that they actually work!

Also, LAN-TEL has procured replacement batteries, and we have refreshed battery packs in all of the Tripp Lite UPSs. Again, this is a welcome improvement. We are finally in a good place as far as power management is concerned for most of our important sites.

The attached workbook has a couple of worksheets that should be updated for planning purposes. We'll get together with LAN-TEL to update this information, and provide forward projections on what equipment is needed to improve power management at other sites.

In the meantime, I suggest you use the first worksheet (tab) to estimate what might fit within the available year-end budget. Anything that gets ordered in the near term will get deployed quickly to sites where needed, and will help to improve overall reliability and resilience of PSnet and CIMS installations.

Here is a quick summary of what I know we could use immediately, recognizing that this will probably exceed available budget.

| Description  | Model         | Order Quantity | Unit Price |
|--|---------------|----------------|------------|
| PDU with 8 outlets, ATS, LX mgt card                       | PDUMH15ATNET  | 6              | \$440.00   |
| PDU with 16 outlets, ATS, LX mgt card                      | PDUMH20ATNET  | 6              | \$550.00   |
| UPS 1.5 KVA capacity, 6 outlets, LX mgt card               | SU1500RTXLCDN | 4              | \$1,100.00 |
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The above order quantities are just suggestions, and reflect what I know we could immediately deploy. I suggest we iterate on this when you have a better idea of what is available to spend. If you plug order quantities into the first sheet in the attached workbook, it will tally the estimated purchase cost for you, which you can then compare against quotes you receive.

I do suggest reviewing my earlier memo below, since I tried to explain a lot of the decision points in ordering power management equipment.

As always, I'm happy to answer further questions or work with you on refining the actual order.

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**Subject:**PSnet: Planning for new Tripp Lite PDU/UPS order  
**Date:**Wed, 23 May 2018 17:38:28 -0400  
**From:**Chuck Wade <[Chuck@Interisle.net](mailto:Chuck@Interisle.net)>  
**Organization:**Interisle Consulting Group, LLC  
**To:**Sarah Plowman  
<[Sarah.Plowman@Boston.gov](mailto:Sarah.Plowman@Boston.gov)>, Michele Bilodeau <[Michele.Bilodeau@Boston.gov](mailto:Michele.Bilodeau@Boston.gov)>  
**CC:**Scott Wilder <[SWilder@BrooklineMA.gov](mailto:SWilder@BrooklineMA.gov)>, Fred Goldstein <[Fred@Interisle.net](mailto:Fred@Interisle.net)>, Colin



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This worksheet was derived from another list that I pulled as a convenient listing of the major PSnet and CIMS sites. I did not bother to finish filling in other details, such as addresses and zip codes, since I have this in other documents. This list was expanded to include columns for PDUs, UPSs, Remote Management cards, Environmental Monitoring probes, and Expansion Battery Packs. I then filled in current deployment numbers for each site in the corresponding columns. The equipment columns were then totaled, and cross checked against another inventory workbook we maintain for the Tripp Lite equipment. Additional details worth noting are:

- If a site has a standby generator, I've indicated so in this column. However, note that the presence of a standby generator does not mean it is available. It might not work well, or have adequate power capacity. There is also the question as to whether the standby generator is available on circuits used by PSnet. This is an issue we should research with each site, and work with the site owners to resolve any problems. (We've actually done this a fair amount in the past.)
- Some sites have a large "system UPS" that provides battery-backed up power to multiple rooms, or an entire building. Other sites already have UPSs within the room where PSnet equipment is located that can handle all equipment in the room. This column captures what we know about this situation. As with standby generators, there are further details we need to document and we may need to address any deficiencies with the owner.
- The "Any PSnet Pwr Mgt?" column uses a formula to reflect whether any of the columns to the right have values indicating that there is already PSnet power management at the site, whether adequate or not.
- The remaining columns to the right are used to capture quantities of each type of equipment that might be deployed at the site associated with each row. These columns are totaled to check that the deployment counts match other inventory data. These columns are grouped as follows:
  - **PDUs:** There are three types of managed PDUs used within PSnet. The DL EPC column refers to the old Digital Loggers

brand Ethernet Power Controllers (EPC-8000 or PC-8000 model variants). These DL EPC models have mostly failed (sometimes spectacularly), and they are more of a liability than an asset. The two "TL PDUMHxxAT" columns correspond to the Tripp Lite models we've been using. "Other" is to account for some of the cats and dogs we've inherited, though I haven't bothered to do much with this yet.

- **UPSs:** The TL SU1500RT and TL SU2200RT columns are for the corresponding Tripp Lite UPS models we've been using. We also have APC SmartUPS1500 and SmartUPS3000 models deployed, though many of these need a refurb due to failure to replace batteries on schedule. Other UPSs are found at some sites, and I've indicated this in a few cases.
- **Remote Management:** This is intended to keep track of the two types of Tripp Lite management cards, as well as the APC management cards. I have not really made an effort yet to reflect the existence of APC cards, though we need to do this. The SNMPWEBCARD column counts the number of Tripp Lite PDUs and UPSs in the columns to the left to indicate how many of these cards are at a site.
- **Environmental Monitoring:** The intention is to fill in inventory information regarding what type of probe is used at a site, assuming there is any environmental monitoring at all. This info may be incomplete.
- **Expansion Battery Packs:** Again, these columns are intended to track where expansion packs are deployed. We don't have a lot of these right now. They are typically used at vital sites without standby generators.

### 3. Site Pwr. Mgt. Plan

The "Site Deployments" worksheet described above was copied, and re-purposed to serve as a means for planning what we might need in the way of power management equipment to upgrade all sites that need power management. An additional "Pwr. Mgt. Needed?" column was added to plan which sites need power management, and what types of equipment might be needed. Obviously, this should include more comprehensive reviews of plans on a site-by-site basis, but this column reflects a reasonable guesstimate as to what would be reasonable. After filling in this column, I then updated the columns to the right to indicate what needs to be installed at the site. Some further explanations are in order:

- The inventory columns include both currently deployed inventory, as well as planned deployments. These columns are also totaled as with the previous "Site Deployments" worksheet. I use the "Pwr. Mgt. Needed?" column to allow me to differentiate between current deployments and planned deployments.
- The WEBCARDLX column attempts to calculate the number of WEBCARDLX management cards that will be acquired with new PDUs and UPSs.

This is not perfect, but mostly serves as a sanity check. This does not reflect any separate orders, but may guide plans for how many spares to keep on hand.

- At the bottom of this workbook, I have added a new row below the Total equipment summary line. The new row calculates the "Potential New Equipment" by subtracting the total above from the totals found on the "Site Deployments" worksheet. Again, the objective here is to obtain a reasonable estimate of what we might rationally need as we continue to upgrade and improve sites throughout PSnet and the CIMS camera backhaul sites. The relevant numbers in this row are carried into the "Potential Quantity" column in the "Order Plan" worksheet described above. These numbers can be used as guides in deciding what to order now.

Finally, let me note that I am not proposing that we go out and order sufficient PDUs and UPSs to address all potential site needs within PSnet. Since the UPSs in particular have shelf lives (due to the batteries), it does not make sense to order well in advance of when we will be able to deploy the equipment. This also applies to spare batteries, which can degrade faster sitting on a shelf than when in use in a UPS. We need to establish a schedule for battery replacements that will drive an acquisition plan. Eventually, it might make sense to contract separately for the regular maintenance on power management systems. We just need to make sure that the contract stipulates the appropriate responsibilities and disciplined practices to keep up with this stuff. The region might even think about doing this for more than just PSnet sites, since the problem affects many sites and agencies.

I realize this is not yet a final order. However, we need to reconcile the Tripp Lite order with other equipment planned for purchase using your "cost savings." My suggestion is that we refine what will be spent for other equipment categories, and then estimate what will be left. The Tripp Lite order can then utilize whatever the remainder is. My inclination would be to prioritize dealing with the deficient SNMPWEBCARD management cards and ENVIROSENSE probes first, so we can stop the pain and begin to move ahead with this stuff.

I'm happy to answer any questions, or chat with you about how to proceed.

...Chuck

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**Sarah Plowman**

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Friday, July 12, 2019 10:20 AM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Colin Strutt <Colin Strutt <Colin@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Peter Baker <Peter Baker <PBaker@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "smime.p7s"

Sarah,

Thanks. I just found out that LAN-TEL has retrieved this equipment from Scott.

...Chuck

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On 7/12/19 10:02 AM, Sarah Plowman wrote:

Hello Chuck, et al,

Yes, it was. The order was delivered to Scott at Brookline PD and I was under the impression that either you or Eric already had picked it up.

Per your email May 15 (earlier in this thread, also copied below for convenience), I ordered UPS/PDU supplies for 5 sites (Somerville PD, Winthrop PD, Walnut Park, Mather School, and Pasciucco Apartments). I'm attaching the PO for your reference as well.

Thanks,  
Sarah

Email from May 15:

Sarah,

I finally got a chance to review my input with Eric, since I wanted to include his perspective relative to some of the CIMS sites.

Eric and I agree that the two most important sites at this point are Somerville and Winthrop Police Departments. Both PDs have PSnet/CIMS racks that are not adequately protected by redundant UPSs, and the UPSs that are installed are not suitable for protecting equipment when power is transferred to standby generators.

Each site will require a pair of the Tripp Lite 2200kVA UPSs, plus one Tripp Lite 16-outlet PDU with ATS. This may consume your year-end equipment budget.

If there are remaining funds, then my recommendation would be to acquire several of the Tripp Lite 8-outlet PDUs with ATS. This will allow us to deploy a transition step toward eventual upgrade of other sites.

In terms of other priority sites, the ones that Eric and I agreed on are Walnut Park (Egleston Tower), Mather School, and Pasciucco Apartments. These smaller sites would use the 1500 kVA UPSs, and 8-outlet PDUs. However, we would again want two UPSs per site for redundancy.

I hope this gives you something to work with...

...Chuck

On Thu, Jul 11, 2019 at 5:02 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

Was this end-of-FY order placed? If UPSs and PDUs have been delivered, it would be helpful for planning purposes to know what we have in the way of inventory.

Thanks...  
...Chuck

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On 5/24/19 2:24 PM, Sarah Plowman wrote:

Makes sense! Thanks so much for the clarification.

On Fri, May 24, 2019 at 2:24 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

The PDUs also use the same WEBCARDLX management cards. That's a good thing, since we have only one management interface to support, and we can use the same spares for both PDUs and UPSs. For the record, the "NET" at the end of the PDU models indicates these include management cards.

...Chuck

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On 5/24/19 2:20 PM, Sarah Plowman wrote:

Ok very good. Just to confirm - is it just the UPS that comes with those cards, or is this also expected in the PDUs as well?

On Fri, May 24, 2019 at 2:17 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

Based on recent experience with CDWG, their catalog listings are often out of date. As far as I know, the UPSs with "LCDN" in their model names only come with the WEBCARDLX management cards (the 'N' is what indicates that a management card is included).

If you can get your purchasing department to stipulate in their bid request that these units should come with the WEBCARDLX, that should resolve any confusion.

I seriously doubt that Tripp Lite is selling the older SNMPWEBCARDS bundled with their UPSs and PDUs. They can still be ordered as a replacement part, but Tripp Lite knows these things are junk. Hence, I doubt there will be a problem.

...Chuck

---

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On 5/24/19 2:07 PM, Sarah Plowman wrote:

Ooh thanks for the catch!

On Fri, May 24, 2019 at 2:05 PM Colin Strutt <[colin@interisle.net](mailto:colin@interisle.net)> wrote:

Sarah,

I am responding to this since AFAIK Chuck is off now until the end of the holiday weekend.



The quote you have received is for devices which include the SNMPWEBCARD (the management card we use to manage these devices).

However, as Chuck noted (and I have highlighted in **red** in the note below) we expect the new units to come with the WEBCARDLX instead – this is a management card that actually works, as the SNMPWEBCARDS were completely unreliable.

It would be nice to ensure that the units we order come with the newer management cards, and not the older ones – otherwise we'd then have to go and purchase replacement management cards for each.

I hope this does not cause too much of a problem.

Regards,

colin

**From:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Sent:** Friday, May 24, 2019 1:57 PM  
**To:** Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)>  
**Cc:** Eric Johnson <[EJohnson@lan-tel.com](mailto:EJohnson@lan-tel.com)>; Colin Strutt <[Colin@interisle.net](mailto:Colin@interisle.net)>; Fred Goldstein <[Fred@interisle.net](mailto:Fred@interisle.net)>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order

Chuck et al - great news. Due to some cost savings, I was able to bump up our order. Thus, I am ordering your recommended UPS/PDU combos for all five sites listed (Winthrop PD, Somerville PD, Walnut Park, Mather School, and Pascuicco Apartments). The first two sites have the (two) 2200kVA UPS and (one) 16-outlet PDUs each. The last three have (two) 1500kVA UPS and (one) 8-outlet PDUs each. Additionally I ordered 3 more of the 8-outlet PDU as extra spares. I'm attaching the CDW quotes that I referenced in the order, however, once Purchasing puts it out to bid it might wind up coming in slightly less expensively and from somebody else entirely - we'll see.

Thanks again for your help!!

On Mon, May 20, 2019 at 12:46 PM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thank you! I'm getting a quote and I'll send it over for you to look at when I get it.

On Wed, May 15, 2019 at 12:02 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

I finally got a chance to review my input with Eric, since I wanted to include his perspective relative to some of the CIMS sites.

Eric and I agree that the two most important sites at this point are

Somerville and Winthrop Police Departments. Both PDs have PSnet/CIMS racks that are not adequately protected by redundant UPSs, and the UPSs that are installed are not suitable for protecting equipment when power is transferred to standby generators.

Each site will require a pair of the Tripp Lite 2200kVA UPSs, plus one Tripp Lite 16-outlet PDU with ATS. This may consume your year-end equipment budget.

If there are remaining funds, then my recommendation would be to acquire several of the Tripp Lite 8-outlet PDUs with ATS. This will allow us to deploy a transition step toward eventual upgrade of other sites.

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I hope this gives you something to work with...  
...Chuck

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On 5/13/19 4:18 PM, Sarah Plowman wrote:

Hi Chuck and all,

Just pinging you again on this. Chuck, any thoughts on the top 1-3 PSnet sites that most need this equipment, and a list of items/quantities required per site? I'll get right on putting an order in but I think we should do it by site if possible.

Your thoughts?

Sarah

On Tue, May 7, 2019 at 11:47 AM Sarah Plowman  
<[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thanks again for this. Just by way of update: I had thought we had more available to spend -- but that's because I hadn't yet put in the order for the MS 2019 licenses. After deducting that, our balance is approx \$6,500. Therefore, I can't make very much headway on your list. What might be more helpful (?) would be if you could envision the top 1-3 sites that most need this equipment, and then let me know what (items and quantities) specifically you would deploy at each site. Perhaps we can "outfit" one or two sites completely with the small remaining funds?

On Tue, Apr 30, 2019 at 2:45 PM Chuck Wade  
<[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

In response to your email from yesterday where you requested information on potential orders for UPSs and PDUs, I'm resending this memo from last May that I believe provides most of what you might need.

I have not touched the attached Excel workbook. It is out of date, but I won't be able to get around to updating it until later. The most significant changes are that we have deployed most of the management cards you bought for us last June (Thanks!). We've also replaced most of the environmental monitors. The new management cards work *much* better, which is also to say that they actually work!

Also, LAN-TEL has procured replacement batteries, and we have refreshed battery packs in all of the Tripp Lite UPSs. Again, this is a welcome improvement. We are finally in a good place as far as power management is concerned for most of our important sites.

The attached workbook has a couple of worksheets that should be updated for planning purposes. We'll get together with LAN-TEL to update this information, and provide forward projections on what equipment is needed to improve power management at other sites.

In the meantime, I suggest you use the first worksheet (tab) to estimate what might fit within the available year-end budget. Anything that gets ordered in the near term will get deployed quickly to sites where needed, and will help to improve overall reliability and resilience of PSnet and CIMS installations.

Here is a quick summary of what I know we could use immediately, recognizing that this will probably exceed available budget.

| Description   | Model         | Order Quantity | Unit Price |
|---|---------------|----------------|------------|
| PDU with 8 outlets, ATS, LX mgt card                    | PDUMH15ATNET  | 6              | \$440.00   |
| PDU with 16 outlets, ATS, LX mgt card                   | PDUMH20ATNET  | 6              | \$550.00   |
| UPS 1.5 KVA capacity, 6 outlets, LX mgt card            | SU1500RTXLCDN | 4              | \$1,100.00 |
| UPS 2.2 KVA capacity, 6 outlets + 1 L5-20R, LX mgt card | SU2200RTXLCDN | 4              | \$1,450.00 |
| Environmental Monitor, Temperature, Humidity & Inputs   | E2MTHDI       | 12             | \$110.00   |
| Rack/wall   |               |                |            |

|  |              |   |         |
|--|--------------|---|---------|
| mount kit for<br>2-post racks<br>(UPSs,<br>Battery<br>Packs) | 2POSTRMKITWM | 4 | \$60.00 |
|--|--------------|---|---------|

The above order quantities are just suggestions, and reflect what I know we could immediately deploy. I suggest we iterate on this when you have a better idea of what is available to spend. If you plug order quantities into the first sheet in the attached workbook, it will tally the estimated purchase cost for you, which you can then compare against quotes you receive.

I do suggest reviewing my earlier memo below, since I tried to explain a lot of the decision points in ordering power management equipment.

As always, I'm happy to answer further questions or work with you on refining the actual order.

...Chuck

----- Forwarded Message -----

**Subject:**PSnet: Planning for new Tripp Lite PDU/UPS order

**Date:**Wed, 23 May 2018 17:38:28 -0400

**From:**Chuck Wade

[<Chuck@Interisle.net>](mailto:Chuck@Interisle.net)

**Organization:**Interisle Consulting Group, LLC

**To:**Sarah Plowman

[<Sarah.Plowman@Boston.gov>](mailto:Sarah.Plowman@Boston.gov),

Michele Bilodeau

[<Michele.Bilodeau@Boston.gov>](mailto:Michele.Bilodeau@Boston.gov)

**CC:**Scott Wilder

[<SWilder@BrooklineMA.gov>](mailto:SWilder@BrooklineMA.gov),

Fred Goldstein

[<Fred@Interisle.net>](mailto:Fred@Interisle.net), Colin Strutt

[<Colin@Interisle.net>](mailto:Colin@Interisle.net)

Sarah, Michele,

I have attached an Excel workbook that provides both a template for placing an order for Tripp Lite new equipment and spares, as well as plan for what sites should receive power management systems. This follows on from my prior memo that provided background on the equipment currently deployed.

The workbook is organized into three tabs as follows:

#### 1. **Order Plan**

This is intended to serve as a template for indicating what equipment to order and estimating pricing, as well as total order price. Some points worth noting:

- The model numbers are current in the Tripp Lite catalog. See the provided links to the product pages, where there are additional links to support pages and all product literature.

- Prices are rough estimates of current street prices. If you visit the product pages, there is a button that will pop up a list of resellers along with their current prices.
- **Although the PDU model numbers are the same as what we ordered previously, these PDUs now come with the new WEBCARDLX instead of the older SNMPWEBCARD.**
- **The UPS models are equivalent to the SU1500RTXL2UN and SU2200RTXL2UN that we currently have deployed, but are newer versions with some improvements in specs. These also come with the new WEBCARDLX management card.**
- Normally, we would not need to order WEBCARDLX models, since these come with the PDUs and UPSs. However, since we need to replace the defective SNMPWEBCARDS, I've included a line item for these, along with a quantity that would allow us to replace all of the older management cards.
- The E2MTHDI model is an environmental probe that can also be used for some physical security measures, such as detecting door open/close conditions or water. In addition any probes needed for upgraded sites, we also need to replace the older ENVIRONSENSE probes that do not work with the new WEBCARDLX management cards. We need a total of 22 E2MTHDI probes to replace the probes we currently have deployed.
- I have included the RBC94-2U battery kits that can be used to replace batteries in any of the Tripp Lite UPSs we currently have deployed, as well as the new UPS models referenced.
- Two types of expansion battery packs are included as line items. These can be used with any of the new/old UPSs to extend run time. Functionally, these are equivalent, but the BP48V242U models do not include a means for daisy chaining to additional expansion packs and they have slightly less capacity than the BP48V27-2US models that are extendable. I'm not sure we need any of these expansion packs at this time.
- The rack mount kit is used when mounting UPS or Battery Expansion Packs into a 2-post rack. A lot of our sites, especially the radio sites, use 2-post racks. This same kit can also be used to wall-mount a UPS, which is sometimes helpful.
- The "Potential Quantity" column reflects what we would need in order to upgrade sites that either do not have any power management, or that

have old systems that need to be replaced. This comes from the "Site Pwr. Mgt. Plan" sheet. See below.

- The "Order Quantity" is used to project what we might order.
- The "Unit Price" column can be updated with actual prices received from quotes.
- The "Ext. Price" column merely multiplies the "Order Quantity" by the "Unit Price" to get the total item price. This column is totaled at the bottom.

## 2. Site Deployments

This worksheet was derived from another list that I pulled as a convenient listing of the major PSnet and CIMS sites. I did not bother to finish filling in other details, such as addresses and zip codes, since I have this in other documents. This list was expanded to include columns for PDUs, UPSs, Remote Management cards, Environmental Monitoring probes, and Expansion Battery Packs. I then filled in current deployment numbers for each site in the corresponding columns. The equipment columns were then totaled, and cross checked against another inventory workbook we maintain for the Tripp Lite equipment. Additional details worth noting are:

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### 3. Site Pwr. Mgt. Plan

The "Site Deployments" worksheet described above was copied, and re-

purposed to serve as a means for planning what we might need in the way of power management equipment to upgrade all sites that need power management. An additional "Pwr. Mgt. Needed?" column was added to plan which sites need power management, and what types of equipment might be needed. Obviously, this should include more comprehensive reviews of plans on a site-by-site basis, but this column reflects a reasonable guesstimate as to what would be reasonable. After filling in this column, I then updated the columns to the right to indicate what needs to be installed at the site. Some further explanations are in order:

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- The WEBCARDLX column attempts to calculate the number of WEBCARDLX management cards that will be acquired with new PDUs and UPSs. This is not perfect, but mostly serves as a sanity check. This does not reflect any separate orders, but may guide plans for how many spares to keep on hand.
- At the bottom of this workbook, I have added a new row below the Total equipment summary line. The new row calculates the "Potential New Equipment" by subtracting the total above from the totals found on the "Site Deployments" worksheet. Again, the objective here is to obtain a reasonable estimate of what we might rationally need as we continue to upgrade and improve sites throughout PSnet and the CIMS camera backhaul sites. The relevant numbers in this row are carried into the "Potential Quantity" column in the "Order Plan" worksheet described above. These numbers can be used as guides in deciding what to order now.

Finally, let me note that I am not proposing that we go out and order sufficient PDUs and UPSs to address all potential site needs within PSnet. Since the UPSs in particular have shelf lives (due to the batteries), it does not make sense to order well in advance of when we will be able to deploy the equipment. This also applies to spare batteries, which can degrade faster sitting on a shelf than when in use in a UPS. We need to establish a schedule for battery replacements that will drive an acquisition plan. Eventually, it might make sense to contract separately for the regular maintenance on power management systems. We just need to make sure that the contract



stipulates the appropriate responsibilities and disciplined practices to keep up with this stuff. The region might even think about doing this for more than just PSnet sites, since the problem affects many sites and agencies.

I realize this is not yet a final order. However, we need to reconcile the Tripp Lite order with other equipment planned for purchase using your "cost savings." My suggestion is that we refine what will be spent for other equipment categories, and then estimate what will be left. The Tripp Lite order can then utilize whatever the remainder is. My inclination would be to prioritize dealing with the deficient SNMPWEBCARD management cards and ENVIROSENSE probes first, so we can stop the pain and begin to move ahead with this stuff.

I'm happy to answer any questions, or chat with you about how to proceed.

...Chuck

--

---

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**From:** JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov>  
**Sent:** Friday, July 12, 2019 11:31 AM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**CC:** Susan O'Byrne <=?utf-8?B?U3VzYW4gT+KAmUJ5cm5l?=> <sobyne@lan-tel.com>>; ROBERT P GILLAN <ROBERT P GILLAN <RGILLAN@quincyma.gov>>  
**Subject:** RE: MACU MBSHR Reserved Dates

Sarah,

The Lan-Tel MACU was a last minute decision made by the Mayor and Chief due to the fact that they received intel that Boston had the same event and 7 or 8 unruly protestors were arrested.

I would call this an "on-call incident" due to the above circumstances making this a last minute incident decision.

We also had 20 BPD bike units assigned to this event due to so many unknowns that might have occurred.

Thanks,  
Joe

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Wednesday, July 10, 2019 5:00 PM  
**To:** Eric Johnson <ejohnson@lan-tel.com>  
**Cc:** Susan O'Byrne <sobyne@lan-tel.com>; JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov>  
**Subject:** Re: MACU MBSHR Reserved Dates

Hello Eric, Susan, and Joe,

I'm attaching here the MACU invoice for June. I notice that Quincy used the vehicle for two events. The second event on the invoice, "Rally for life (Quincy)-Planned" was in fact not planned, at least not according to the dates I submitted in the previous email dated June 24, which were originally confirmed at the June 4 Critical Infrastructure meeting. Joe - if this list had changed in the interim and you would like to use your seconded/(final!) planned event for the Rally for Life, please confirm so here, and then we can process those on the invoice. I will then update the list of scheduled events by removing the Dec 1 Christmas Parade. If, however, Quincy wants to retain the original approved plan and use the Dec 1 Christmas Parade as the second planned event, we will have to remove this Rally for Life item from the invoice and Quincy will need to settle that bill with LAN-TEL on their own.

Joe - please advise.

Thank you,  
Sarah

On Mon, Jun 24, 2019 at 9:39 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hello Eric,

This email serves to follow up our conversation at the UASI Day of meetings this month where we went over the submitted dates for the MBHSR use of the MACU vehicle. I've copied the MBSHR representatives here who have requested these dates. As was stated in the contract, each community can request up to two events over the course of the year, reserving the remaining uses for emergency incident call outs. Here's what I have for the life of the contract to date:

- June 15, Flag Day Parade (Quincy)
- June 23, Casino opening (Everett)
- June 27, Fireworks (Somerville)
- July 27, Sand Castles (Revere) -- note, they also are considering adding on either Friday or Sunday as well.
- August 24, Caribbean Festival (Boston)
- September 7, River Fest (Somerville)
- September 8, Caribbean Festival (Cambridge)
- September 14, City Festival (Everett)
- December 1, Christmas Parade (Quincy)
- April 20, 2020, Boston Marathon (Boston)

Thank you,  
Sarah

--

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**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Friday, July 12, 2019 12:26 PM EDT

**To:** JOSEPH PEPJONOVICH <JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov>>

**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Susan O'Byrne <=?UTF-8?B?U3VzYW4gT+KAmUJ5cm5l?=<sobyne@lan-tel.com>>; ROBERT P GILLAN <ROBERT P GILLAN <RGILLAN@quincyma.gov>>

**Subject:** Re: MACU MBSHR Reserved Dates

Thank you for the clarification, Joe. Going forward, any time this happens again please email that type of information to my and Eric prior/during the incident itself so that we can capture it for documentation purposes. We have a limited number of regional "call-out" uses of this vehicle on the contract, so I need to be aware of them as they happen to ensure that we are not over-spending the contract.

Susan - can you please revise the invoice and change the Rally for Life event to say "unplanned response incident" rather than "planned"? Once that is updated we should be okay to move forward with paying the invoice at this bill amount.

Sarah

On Fri, Jul 12, 2019 at 11:31 AM JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov> wrote:

Sarah,

The Lan-Tel MACU was a last minute decision made by the Mayor and Chief due to the fact that they received intel that Boston had the same event and 7 or 8 unruly protestors were arrested.

I would call this an "on-call incident" due to the above circumstances making this a last minute incident decision.

We also had 20 BPD bike units assigned to this event due to so many unknowns that might have occurred.

Thanks,

Joe

**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Wednesday, July 10, 2019 5:00 PM

**To:** Eric Johnson <ejohnson@lan-tel.com>

**Cc:** Susan O'Byrne <sobyne@lan-tel.com>; JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov>

**Subject:** Re: MACU MBSHR Reserved Dates

Hello Eric, Susan, and Joe,

I'm attaching here the MACU invoice for June. I notice that Quincy used the vehicle for two events. The second event on the invoice, "Rally for life (Quincy)-Planned" was in fact not planned, at least not according to the dates I submitted in the previous email dated June 24, which were originally confirmed at the June 4 Critical Infrastructure meeting. Joe - if this list had changed in the interim and you would like to use your seconded/(final!) planned event for the Rally for Life, please confirm so here, and then we can process those on the invoice. I will then update the list of scheduled events by removing the Dec 1 Christmas Parade. If, however, Quincy wants to retain the original approved plan and use the Dec 1 Christmas Parade as the second planned event, we will have to remove this Rally for Life item from the invoice and Quincy will need to settle that bill with LAN-TEL on their own.

Joe - please advise.

Thank you,

Sarah

On Mon, Jun 24, 2019 at 9:39 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hello Eric,

This email serves to follow up our conversation at the UASI Day of meetings this month where we went over the submitted dates for the MBHSR use of the MACU vehicle. I've copied the MBSHR representatives here who have requested these dates. As was stated in the contract, each community can request up to two events over the course of the year, reserving the remaining uses for emergency incident call outs. Here's what I have for the life of the contract to date:

- June 15, Flag Day Parade (Quincy)
- June 23, Casino opening (Everett)
- June 27, Fireworks (Somerville)
- July 27, Sand Castles (Revere) -- note, they also are considering adding on either Friday or Sunday as well.
- August 24, Caribbean Festival (Boston)
- September 7, River Fest (Somerville)
- September 8, Caribbean Festival (Cambridge)
- September 14, City Festival (Everett)
- December 1, Christmas Parade (Quincy)
- April 20, 2020, Boston Marathon (Boston)

Thank you,

Sarah

--

**Sarah Plowman**

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**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Friday, July 12, 2019 12:38 PM EDT

**To:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>

**CC:** Colin Strutt <Colin Strutt <Colin@interisle.net>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Peter Baker <Peter Baker <PBaker@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>

**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order

Great!

On Fri, Jul 12, 2019 at 10:20 AM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

Thanks. I just found out that LAN-TEL has retrieved this equipment from Scott.

...Chuck

---

Chuck Wade, Principal  
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+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

On 7/12/19 10:02 AM, Sarah Plowman wrote:

Hello Chuck, et al,

Yes, it was. The order was delivered to Scott at Brookline PD and I was under the impression that either you or Eric already had picked it up.

Per your email May 15 (earlier in this thread, also copied below for convenience), I ordered UPS/PDU supplies for 5 sites (Somerville PD, Winthrop PD, Walnut Park, Mather School, and Pasciucco Apartments). I'm attaching the PO for your reference as well.

Thanks,  
Sarah

Email from May 15:

Sarah,

I finally got a chance to review my input with Eric, since I wanted to include his perspective relative to some of the CIMS sites.

Eric and I agree that the two most important sites at this point are Somerville and Winthrop Police Departments. Both PDs have PSnet/CIMS racks that are not adequately protected by redundant UPSs, and the UPSs that are installed are not suitable for protecting equipment when power is transferred to standby generators.

Each site will require a pair of the Tripp Lite 2200kVA UPSs, plus one Tripp Lite 16-outlet PDU with ATS. This may consume your year-end equipment budget.

If there are remaining funds, then my recommendation would be to acquire several of the Tripp Lite 8-outlet PDUs with ATS. This will allow us to deploy a transition step toward eventual upgrade of other sites.

In terms of other priority sites, the ones that Eric and I agreed on are Walnut Park (Egleston Tower), Mather School, and Pasciucco Apartments. These smaller sites would use the 1500 kVA UPSs, and 8-outlet PDUs. However, we would again want two UPSs per site for redundancy.

I hope this gives you something to work with...

...Chuck

On Thu, Jul 11, 2019 at 5:02 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

Was this end-of-FY order placed? If UPSs and PDUs have been delivered, it would be helpful for planning purposes to know what we have in the way of inventory.

Thanks...  
...Chuck

---

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On 5/24/19 2:24 PM, Sarah Plowman wrote:

Makes sense! Thanks so much for the clarification.

On Fri, May 24, 2019 at 2:24 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

The PDUs also use the same WEBCARDLX management cards. That's a good thing, since we have only one management interface to support, and we can use the same spares for both PDUs and UPSs. For the record, the "NET" at the end of the PDU models indicates these include management cards.

...Chuck

---

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On 5/24/19 2:20 PM, Sarah Plowman wrote:

Ok very good. Just to confirm - is it just the UPS that comes with those cards, or is this also expected in the PDUs as well?

On Fri, May 24, 2019 at 2:17 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

Based on recent experience with CDWG, their catalog listings are often out of date. As far as I know, the UPSs with "LCDN" in their model names only come with the WEBCARDLX management cards (the 'N' is what indicates that a management card is included).

If you can get your purchasing department to stipulate in their bid request that these units should come with the WEBCARDLX, that should resolve any confusion.

I seriously doubt that Tripp Lite is selling the older SNMPWEBCARDS bundled with their UPSs and PDUs. They can still be ordered as a replacement part, but Tripp Lite knows these things are junk. Hence, I doubt there will be a problem.

...Chuck

---

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On 5/24/19 2:07 PM, Sarah Plowman wrote:

Ooh thanks for the catch!

On Fri, May 24, 2019 at 2:05 PM Colin Strutt <[colin@interisle.net](mailto:colin@interisle.net)> wrote:

Sarah,

I am responding to this since AFAIK Chuck is off now until the end of the holiday weekend.

The quote you have received is for devices which include the SNMPWEBCARD (the management card we use to manage these devices).

However, as Chuck noted (and I have highlighted in **red** in the note below) we expect the new units to come with the WEBCARDLX instead – this is a management card that actually works, as the SNMPWEBCARDS were completely unreliable.

It would be nice to ensure that the units we order come with the newer management cards, and not the older ones – otherwise we'd then have to go and purchase replacement management cards for each.

I hope this does not cause too much of a problem.

Regards,

colin

**From:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Sent:** Friday, May 24, 2019 1:57 PM  
**To:** Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)>  
**Cc:** Eric Johnson <[EJohnson@lan-tel.com](mailto:EJohnson@lan-tel.com)>; Colin Strutt <[Colin@interisle.net](mailto:Colin@interisle.net)>; Fred Goldstein <[Fred@interisle.net](mailto:Fred@interisle.net)>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order

Chuck et al - great news. Due to some cost savings, I was able to bump up our order. Thus, I am ordering your recommended UPS/PDU combos for all five sites listed (Winthrop PD, Somerville PD, Walnut Park, Mather School, and Pascuicco Apartments). The first two sites have the (two) 2200kVA UPS and (one) 16-outlet PDUs each. The last three have (two) 1500kVA UPS and (one) 8-outlet PDUs each. Additionally I ordered 3 more of the 8-outlet PDU as extra spares. I'm attaching the CDW quotes that I referenced in the order, however, once Purchasing puts it out to bid it might wind up coming in slightly less expensively and from somebody else entirely - we'll see.

Thanks again for your help!!

On Mon, May 20, 2019 at 12:46 PM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thank you! I'm getting a quote and I'll send it over for you to look at when I get it.

On Wed, May 15, 2019 at 12:02 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

I finally got a chance to review my input with Eric, since I wanted to include his perspective relative to some of the CIMS sites.

Eric and I agree that the two most important sites at this point are Somerville and Winthrop Police Departments. Both PDs have PSnet/CIMS racks that are not adequately protected by redundant UPSs, and the UPSs that are installed are not suitable for protecting equipment when power is transferred to standby generators.

Each site will require a pair of the Tripp Lite 2200kVA UPSs, plus one Tripp Lite 16-outlet PDU with ATS. This may consume your year-end equipment budget.

If there are remaining funds, then my recommendation would be to acquire several of the Tripp Lite 8-outlet PDUs with ATS. This will allow us to deploy a transition step toward eventual upgrade of other sites.

In terms of other priority sites, the ones that Eric and I agreed on are Walnut Park (Egleston Tower), Mather School, and Pasciucco Apartments. These smaller sites would use the 1500 kVA UPSs, and 8-outlet PDUs. However, we would again want two UPSs per site for redundancy.

I hope this gives you something to work with...  
...Chuck

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On 5/13/19 4:18 PM, Sarah Plowman wrote:

Hi Chuck and all,

Just pinging you again on this. Chuck, any thoughts on the top 1-3 PSnet sites that most need this equipment, and a list of items/quantities required per site? I'll get right on putting an order in but I think we should do it by site if possible.

Your thoughts?

Sarah

On Tue, May 7, 2019 at 11:47 AM Sarah Plowman  
<[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thanks again for this. Just by way of update: I had thought we had more available to spend -- but that's because I hadn't yet put in the order for the MS 2019 licenses. After deducting that, our balance is approx \$6,500. Therefore, I can't make very much headway on your list. What might be more helpful (?) would be if you could envision the top 1-3 sites that most need this equipment, and then let me know what (items and quantities) specifically you would deploy at each site. Perhaps we can "outfit" one or two sites completely with the small remaining funds?

On Tue, Apr 30, 2019 at 2:45 PM Chuck Wade  
<[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

In response to your email from yesterday where you requested information on potential orders for UPSs and PDUs, I'm resending this memo from last May that I believe provides most of what you might need.

I have not touched the attached Excel workbook. It is out of date, but I won't be able to get around to updating it until later. The most significant changes are that we have deployed most of the management cards you bought for us last June (Thanks!). We've also replaced most of the environmental monitors. The new management cards work *much* better, which is also to say that they actually work!

Also, LAN-TEL has procured replacement batteries, and we have refreshed battery packs in all of the Tripp Lite UPSs. Again, this is a welcome improvement. We are finally in a good place as far as power management is concerned for most of our important sites.

The attached workbook has a couple of worksheets that should be updated for planning purposes. We'll get together with LAN-TEL to update this information, and provide forward projections on what equipment is needed to improve power management at other sites.

In the meantime, I suggest you use the first worksheet (tab) to estimate what might fit within the available year-end budget. Anything that gets ordered in the near term will get deployed quickly to sites where needed, and will help to improve overall reliability and resilience of PSnet and CIMS installations.

Here is a quick summary of what I know we could use immediately, recognizing that this will probably exceed available budget.

| Description   | Model         | Order Quantity | Unit Price |
|---|---------------|----------------|------------|
| PDU with 8 outlets, ATS, LX mgt card                    | PDUMH15ATNET  | 6              | \$440.00   |
| PDU with 16 outlets, ATS, LX mgt card                   | PDUMH20ATNET  | 6              | \$550.00   |
| UPS 1.5 KVA capacity, 6 outlets, LX mgt card            | SU1500RTXLCDN | 4              | \$1,100.00 |
| UPS 2.2 KVA capacity, 6 outlets + 1 L5-20R, LX mgt card | SU2200RTXLCDN | 4              | \$1,450.00 |
| Environmental   |               |                |            |

|   |              |    |          |
|---|--------------|----|----------|
| Monitor,<br>Temperature,<br>Humidity &<br>Inputs                          | E2MTHDI      | 12 | \$110.00 |
| Rack/wall<br>mount kit for<br>2-post racks<br>(UPSs,<br>Battery<br>Packs) | 2POSTRMKITWM | 4  | \$60.00  |

The above order quantities are just suggestions, and reflect what I know we could immediately deploy. I suggest we iterate on this when you have a better idea of what is available to spend. If you plug order quantities into the first sheet in the attached workbook, it will tally the estimated purchase cost for you, which you can then compare against quotes you receive.

I do suggest reviewing my earlier memo below, since I tried to explain a lot of the decision points in ordering power management equipment.

As always, I'm happy to answer further questions or work with you on refining the actual order.

...Chuck

----- Forwarded Message -----

**Subject:**PSnet: Planning for new Tripp  
Lite PDU/UPS order

**Date:**Wed, 23 May 2018 17:38:28 -  
0400

**From:**Chuck Wade  
<[Chuck@Interisle.net](mailto:Chuck@Interisle.net)>

**Organization:**Interisle Consulting Group, LLC

**To:**Sarah Plowman  
<[Sarah.Plowman@Boston.gov](mailto:Sarah.Plowman@Boston.gov)>,  
Michele Bilodeau  
<[Michele.Bilodeau@Boston.gov](mailto:Michele.Bilodeau@Boston.gov)>

**CC:**Scott Wilder  
<[SWilder@BrooklineMA.gov](mailto:SWilder@BrooklineMA.gov)>,  
Fred Goldstein  
<[Fred@Interisle.net](mailto:Fred@Interisle.net)>, Colin Strutt  
<[Colin@Interisle.net](mailto:Colin@Interisle.net)>

Sarah, Michele,

I have attached an Excel workbook that provides both a template for placing an order for Tripp Lite new equipment and spares, as well as plan for what sites should receive power management systems. This follows on from my prior memo that provided background on the equipment currently deployed.

The workbook is organized into three tabs as follows:

1. **Order Plan**

This is intended to serve as a template for indicating what equipment to order and

estimating pricing, as well as total order price. Some points worth noting:

- The model numbers are current in the Tripp Lite catalog. See the provided links to the product pages, where there are additional links to support pages and all product literature.
- Prices are rough estimates of current street prices. If you visit the product pages, there is a button that will pop up a list of resellers along with their current prices.
- **Although the PDU model numbers are the same as what we ordered previously, these PDUs now come with the new WEBCARDLX instead of the older SNMPWEBCARD.**
- **The UPS models are equivalent to the SU1500RTXL2UN and SU2200RTXL2UN that we currently have deployed, but are newer versions with some improvements in specs. These also come with the new WEBCARDLX management card.**
- Normally, we would not need to order WEBCARDLX models, since these come with the PDUs and UPSs. However, since we need to replace the defective SNMPWEBCARDS, I've included a line item for these, along with a quantity that would allow us to replace all of the older management cards.
- The E2MTHDI model is an environmental probe that can also be used for some physical security measures, such as detecting door open/close conditions or water. In addition any probes needed for upgraded sites, we also need to replace the older ENVIRONSENSE probes that do not work with the new WEBCARDLX management cards. We need a total of 22 E2MTHDI probes to replace the probes we currently have deployed.
- I have included the RBC94-2U battery kits that can be used to replace batteries in any of the Tripp Lite UPSs we currently have deployed, as well as the new UPS models referenced.
- Two types of expansion battery packs are included as line items. These can be used with any of the new/old UPSs to extend run time. Functionally, these are equivalent, but the BP48V242U models do not include a means for daisy chaining to additional expansion packs and they have slightly less capacity than the BP48V27-2US models that are extendable. I'm not sure we need any of these expansion packs at

this time.

- The rack mount kit is used when mounting UPS or Battery Expansion Packs into a 2-post rack. A lot of our sites, especially the radio sites, use 2-post racks. This same kit can also be used to wall-mount a UPS, which is sometimes helpful.
- The "Potential Quantity" column reflects what we would need in order to upgrade sites that either do not have any power management, or that have old systems that need to be replaced. This comes from the "Site Pwr. Mgt. Plan" sheet. See below.
- The "Order Quantity" is used to project what we might order.
- The "Unit Price" column can be updated with actual prices received from quotes.
- The "Ext. Price" column merely multiplies the "Order Quantity" by the "Unit Price" to get the total item price. This column is totaled at the bottom.

## 2. Site Deployments

This worksheet was derived from another list that I pulled as a convenient listing of the major PSnet and CIMS sites. I did not bother to finish filling in other details, such as addresses and zip codes, since I have this in other documents. This list was expanded to include columns for PDUs, UPSs, Remote Management cards, Environmental Monitoring probes, and Expansion Battery Packs. I then filled in current deployment numbers for each site in the corresponding columns. The equipment columns were then totaled, and cross checked against another inventory workbook we maintain for the Tripp Lite equipment. Additional details worth noting are:

- If a site has a standby generator, I've indicated so in this column. However, note that the presence of a standby generator does not mean it is available. It might not work well, or have adequate power capacity. There is also the question as to whether the standby generator is available on circuits used by PSnet. This is an issue we should research with each site, and work with the site owners to resolve any problems. (We've actually done this a fair amount in the past.)
- Some sites have a large "system UPS" that provides battery-backed up power to multiple rooms, or an entire building. Other sites already have UPSs within the room where PSnet equipment is located that can handle all equipment in the room. This column captures what we know about this situation. As



with standby generators, there are further details we need to document and we may need to address any deficiencies with the owner.

- The "Any PSnet Pwr Mgt?" column uses a formula to reflect whether any of the columns to the right have values indicating that there is already PSnet power management at the site, whether adequate or not.
- The remaining columns to the right are used to capture quantities of each type of equipment that might be deployed at the site associated with each row. These columns are totaled to check that the deployment counts match other inventory data. These columns are grouped as follows:

- **PDUs:** There are three types of managed PDUs used within PSnet. The DL EPC column refers to the old Digital Loggers brand Ethernet Power Controllers (EPC-8000 or PC-8000 model variants). These DL EPC models have mostly failed (sometimes spectacularly), and they are more of a liability than an asset. The two "TL PDUMHxxAT" columns correspond to the Tripp Lite models we've been using. "Other" is to account for some of the cats and dogs we've inherited, though I haven't bothered to do much with this yet.
- **UPSs:** The TL SU1500RT and TL SU2200RT columns are for the corresponding Tripp Lite UPS models we've been using. We also have APC SmartUPS1500 and SmartUPS3000 models deployed, though many of these need a refurb due to failure to replace batteries on schedule. Other UPSs are found at some sites, and I've indicated this in a few cases.
- **Remote Management:** This is intended to keep track of the two types of Tripp Lite management cards, as well as the APC management cards. I have not really made an effort yet to reflect the existence of APC cards, though we need to do this. The SNMPWEBCARD column counts the number of Tripp Lite PDUs and UPSs in the columns to the left to indicate how many of these cards are at a site.
- **Environmental Monitoring:**

The intention is to fill in inventory information regarding what type of probe is used at a site, assuming there is any environmental monitoring at all. This info may be incomplete.

▪ **Expansion Battery Packs:**

Again, these columns are intended to track where expansion packs are deployed. We don't have a lot of these right now. They are typically used at vital sites without standby generators.

3. **Site Pwr. Mgt. Plan**

The "Site Deployments" worksheet described above was copied, and re-purposed to serve as a means for planning what we might need in the way of power management equipment to upgrade all sites that need power management. An additional "Pwr. Mgt. Needed?" column was added to plan which sites need power management, and what types of equipment might be needed. Obviously, this should include more comprehensive reviews of plans on a site-by-site basis, but this column reflects a reasonable guesstimate as to what would be reasonable. After filling in this column, I then updated the columns to the right to indicate what needs to be installed at the site. Some further explanations are in order:

- The inventory columns include both currently deployed inventory, as well as planned deployments. These columns are also totaled as with the previous "Site Deployments" worksheet. I use the "Pwr. Mgt. Needed?" column to allow me to differentiate between current deployments and planned deployments.
- The WEBCARDLX column attempts to calculate the number of WEBCARDLX management cards that will be acquired with new PDUs and UPSs. This is not perfect, but mostly serves as a sanity check. This does not reflect any separate orders, but may guide plans for how many spares to keep on hand.
- At the bottom of this workbook, I have added a new row below the Total equipment summary line. The new row calculates the "Potential New Equipment" by subtracting the total above from the totals found on the "Site Deployments" worksheet. Again, the objective here is to obtain a reasonable estimate of what we might rationally need as we continue to upgrade and improve sites throughout PSnet and the CIMS camera backhaul sites.

The relevant numbers in this row are carried into the "Potential Quantity" column in the "Order Plan" worksheet described above. These numbers can be used as guides in deciding what to order now.

Finally, let me note that I am not proposing that we go out and order sufficient PDUs and UPSs to address all potential site needs within PSnet. Since the UPSs in particular have shelf lives (due to the batteries), it does not make sense to order well in advance of when we will be able to deploy the equipment. This also applies to spare batteries, which can degrade faster sitting on a shelf than when in use in a UPS. We need to establish a schedule for battery replacements that will drive an acquisition plan. Eventually, it might make sense to contract separately for the regular maintenance on power management systems. We just need to make sure that the contract stipulates the appropriate responsibilities and disciplined practices to keep up with this stuff. The region might even think about doing this for more than just PSnet sites, since the problem affects many sites and agencies.

I realize this is not yet a final order. However, we need to reconcile the Tripp Lite order with other equipment planned for purchase using your "cost savings." My suggestion is that we refine what will be spent for other equipment categories, and then estimate what will be left. The Tripp Lite order can then utilize whatever the remainder is. My inclination would be to prioritize dealing with the deficient SNMPWEBCARD management cards and ENVIROSENSE probes first, so we can stop the pain and begin to move ahead with this stuff.

I'm happy to answer any questions, or chat with you about how to proceed.

...Chuck

--

---

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Fax: 617.635.2974

**From:** Eric Johnson <ejohnson@Lan-Tel.com>

**Sent:** Sunday, July 14, 2019 11:35 AM EDT

**To:** Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Kevin Cullen <Kevin Cullen <kevin.cullen@pd.boston.gov>>; steven.whitman@pd.boston.gov; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Shaun Kennedy <Shaun Kennedy <skennedy@lan-tel.com>>; angelene.richardson@pd.boston.gov; Jay Burke <Jay Burke <jburke@lan-tel.com>>; sarah.plowman@boston.gov; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>

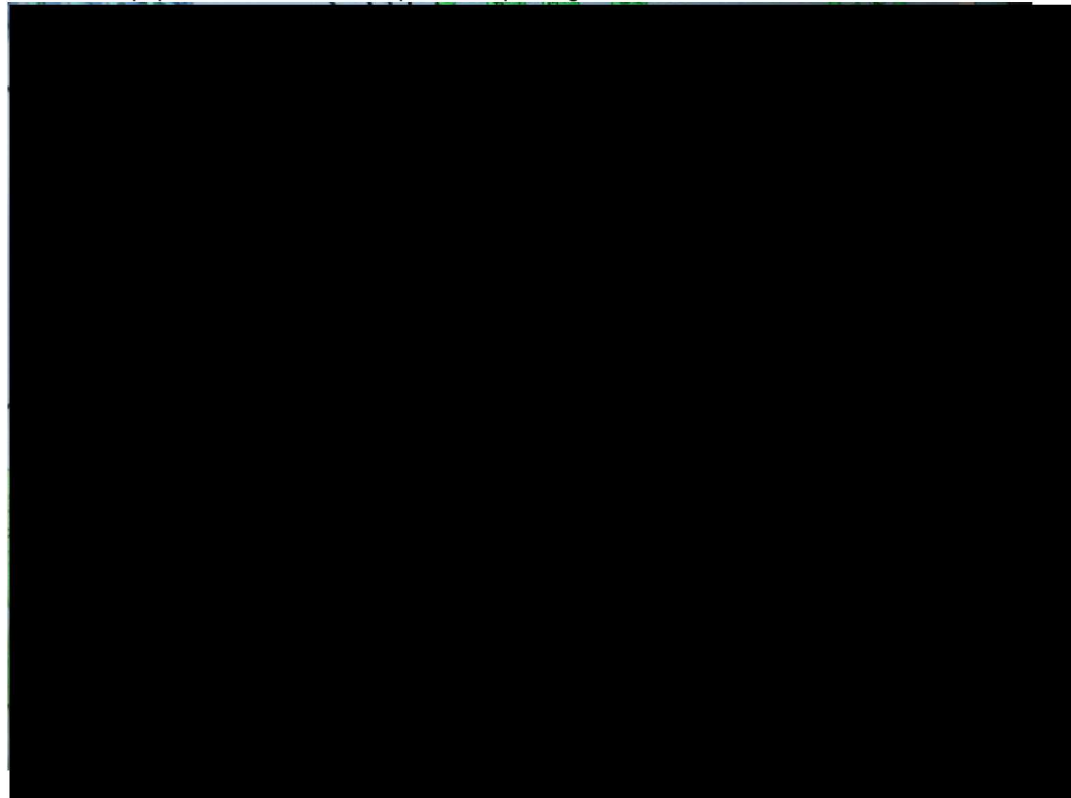
**Subject:** 35 Northampton radio hub

All:

We have received an email notification and call from BPD that Cams in and around Fenway are offline .

Upon further review we have determined that the backhaul antenna at 35 Northampton St is the problem . We are dispatching to site because of volume of cameras down . Please note that this also affecting 1 camera in Brookline ( Beacon - Carlton)

All other equipment at 35 Northampton is reporting in normal state .



Respectfully,

Eric Johnson

**Security Project Manager**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062

**M 617-785-8254**

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[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ☘

TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

[www.lan-tel.com](http://www.lan-tel.com)

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**From:** Eric Johnson <ejohnson@Lan-Tel.com>

**Sent:** Sunday, July 14, 2019 12:42 PM EDT

**To:** Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Kevin Cullen <Kevin Cullen <kevin.cullen@pd.boston.gov>>; steven.whitman@pd.boston.gov; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Shaun Kennedy <Shaun Kennedy <skennedy@lan-tel.com>>; angelene.richardson@pd.boston.gov; Jay Burke <Jay Burke <jburke@lan-tel.com>>; sarah.plowman@boston.gov; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>

**Subject:** Re: 35 Northampton radio hub

**Attachment(s):** "image1.jpeg"

That has been rebooted and we are monitoring . It is in a normal state as of now

Respectfully,

Eric Johnson

**Security Project Manager**

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TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

[www.lan-tel.com](http://www.lan-tel.com)

On Jul 14, 2019, at 11:35 AM, Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:

All:

We have received an email notification and call from BPD that Cams in and around Fenway are offline .

Upon further review we have determined that the backhaul antenna at 35 Northampton St is the problem . We are dispatching to site because of volume of cameras down . Please note that this also affecting 1 camera in Brookline ( Beacon - Carlton)

All other equipment at 35 Northampton is reporting in normal state .



<image1.jpeg>

Respectfully,

Eric Johnson  
**Security Project Manager**

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**From:** Scott Wilder <swilder@brooklinema.gov>

**Sent:** Sunday, July 14, 2019 12:49 PM EDT

**To:** Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Louie Madeira <Louie Madeira <louis.madeira@pd.boston.gov>>; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski; Kevin Cullen <Kevin Cullen <kevin.cullen@pd.boston.gov>>; steven.whitman@pd.boston.gov; Eric W. Nisbet < Eric W. Nisbet <enisbet@lan-tel.com>>; Jim Rex < Jim Rex <jrex@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Shaun Kennedy <Shaun Kennedy <skennedy@lan-tel.com>>; angelene.richardson@pd.boston.gov; Jay Burke <Jay Burke <jburke@lan-tel.com>>; sarah.plowman@boston.gov

**Subject:** RE: 35 Northampton radio hub

Thanks for the update... Scott

---

**From:** Eric Johnson [mailto:ejohnson@Lan-Tel.com]

**Sent:** Sunday, July 14, 2019 12:43 PM

**To:** Louie Madeira <louis.madeira@pd.boston.gov>; Shawn <RomanoskiS. bpd@cityofboston. gov> Romanoski <shawn.romanoski@pd.boston.gov>; Kevin Cullen <kevin.cullen@pd.boston.gov>; steven.whitman@pd.boston.gov; Eric W. Nisbet <enisbet@lan-tel.com>; Jim Rex <jrex@lan-tel.com>; Greg Washburn <gwashburn@lan-tel.com>; Mark Savage <msavage@lan-tel.com>; Sean Pappas <spappas@lan-tel.com>; Shaun Kennedy <skennedy@lan-tel.com>; angelene.richardson@pd.boston.gov; Jay Burke <jburke@lan-tel.com>; sarah.plowman@boston.gov; Scott Wilder <swilder@brooklinema.gov>

**Subject:** Re: 35 Northampton radio hub

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\_\_\_\_\_| Respectfully,

Eric Johnson  
Security Project Manager

\_\_\_\_\_|

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**Security Project Manager**

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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Monday, July 15, 2019 9:28 AM EDT  
**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: 35 Northampton radio hub

Thanks, Eric.

On Sun, Jul 14, 2019 at 12:42 PM Eric Johnson <ejohnson@lan-tel.com> wrote:  
That has been rebooted and we are monitoring . It is in a normal state as of now

Respectfully,

Eric Johnson  
**Security Project Manager**

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One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Monday, July 15, 2019 12:07 PM EDT  
**To:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>  
**CC:** Reardon, Gerry; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>  
**Subject:** Re: PSnet BridgeWave order; were antennas included?  
**Attachment(s):** "LAND AIR - Shipment Details - Powered by Carrier Logistics.pdf", "3020039739.pdf"

Here's what I have. CDW reached out to Winncom and Bridgewave who gave me a tracing number for Land Air New England (shipping company). They send me the bill of landing document. Delivery was 6/12/19, received by a Mr. Melendes, and item included was the antennas. Please have everyone double check to verify that what you have reflects this. Thank you.

On Thu, Jul 11, 2019 at 4:58 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

I spoke with Gerry yesterday, and he indicated that the antennas were not with the other Motorola equipment that was received. It appears that these items have yet to be delivered. I assume that Boston Purchasing can follow up with CDW-G on status of delivery.

Thanks...

...Chuck

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

On 7/8/19 9:09 AM, Sarah Plowman wrote:

Thanks to you both!

On Mon, Jul 8, 2019 at 8:21 AM Reardon, Gerry <[GReardon@cambridgefire.org](mailto:GReardon@cambridgefire.org)> wrote:

Chuck the antennas did get received, they came during a six pallet load from Motorola. They probably are located in the second floor storage area.

I'll have them located.

Gerald R. Reardon  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jul 8, 2019, at 07:02, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

When I retrieved the BridgeWave radios from Cambridge Fire, I did not see any antennas, just the radios themselves. It is possible they were received, but placed somewhere else.

Since the antennas were on the quote you received from CDW-G, I had assumed they were also ordered. Can we check on status?

For the record, I have staged the first pair of BridgeWave radios for the 18 GHz band. So far, everything is going smoothly. It is clear that these radios were designed to meet the current requirements of carriers, even including support for carrier Ethernet, which is much more capable

that traditional Ethernet.

...Chuck

--

---

Chuck Wade, Principal  
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+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Monday, July 15, 2019 2:57 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Reardon, Gerry; Felix Melendez <Felix Melendez <FMelendez@Cambridge911.org>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>  
**Subject:** Re: PSnet BridgeWave order; were antennas included?  
**Attachment(s):** "smime.p7s"

Sarah,

Thanks for this information. I've added Felix Melendez to the distribution for this reply. Felix has taken on the role that Glenn Turner used to fill.

...Chuck

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

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Gerald R. Reardon  
Senior Advisor  
Cambridge Public Safety  
491 Broadway  
Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)

[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

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...Chuck

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--

**Sarah Plowman**

Project Director  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

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One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
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**From:** Reardon, Gerry <GReardon@CambridgeFire.Org>

**Sent:** Tuesday, July 16, 2019 8:52 AM EDT

**To:** Sarah Plowman <Sarah.Plowman@boston.gov>; Chuck Wade <Chuck.Wade@interisle.net>

**CC:** Eric Johnson <EJohnson@lan-tel.com>; Fred Goldstein <Fred@interisle.net>

**Subject:** RE: PSnet BridgeWave order; were antennas included?

We have both sets of microwave dishes here at Fire Headquarters they were inadvertently put with the Motorola pallets.

Both 18 GHz, and the 23 GHz antennas are here the order is complete.

Where are these units going to be stored?

**Chief Gerald R. Reardon, Ret.**

Senior Advisor

Cambridge Public Safety

491 Broadway Cambridge Ma. 02138

617-775-9334 [Cell]

617-349-4974 [Office]

greardon@cambridgefire.org

greardon@cambridgepolice.org

greardon@cambridge911.org

**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Monday, July 15, 2019 12:07 PM

**To:** Chuck Wade <Chuck@interisle.net>

**Cc:** Reardon, Gerry <GReardon@CambridgeFire.Org>; Eric Johnson <EJohnson@lan-tel.com>; Fred Goldstein <Fred@interisle.net>

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Here's what I have. CDW reached out to Winncom and Bridgewave who gave me a tracing number for Land Air New England (shipping company). They send me the bill of landing document. Delivery was 6/12/19, received by a Mr. Melendes, and item included was the antennas. Please have everyone double check to verify that what you have reflects this. Thank you.

On Thu, Jul 11, 2019 at 4:58 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

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On 7/8/19 9:09 AM, Sarah Plowman wrote:

Thanks to you both!

On Mon, Jul 8, 2019 at 8:21 AM Reardon, Gerry <[GReardon@cambridgefire.org](mailto:GReardon@cambridgefire.org)> wrote:

Chuck the antennas did get received, they came during a six pallet load from Motorola. They probably are located in the second floor storage area.

I'll have them located.

Gerald R. Reardon  
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Cambridge Public Safety  
491 Broadway

Cambridge Ma 02138

B 617-349-4974

[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)  
[greardon@cambridgepolice.org](mailto:greardon@cambridgepolice.org)  
[greardon@cambridge911.org](mailto:greardon@cambridge911.org)

On Jul 8, 2019, at 07:02, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Tuesday, July 16, 2019 9:33 AM EDT  
**To:** Gerald Reardon <Gerald Reardon <GReardon@CambridgeFire.org>>  
**CC:** Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Fred Goldstein <Fred@Interisle.net>  
**Subject:** Re: PSnet BridgeWave order; were antennas included?  
**Attachment(s):** "smime.p7s"

Gerry,

If they can be stored in the same storage room where the other PSnet equipment is located, that would be appreciated.

I can also make arrangements for LAN-TEL to retrieve these antennas and keep them until they can be deployed.

Thanks...

...Chuck

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Tuesday, July 16, 2019 11:33 AM EDT  
**To:** John Surette <John Surette <John.Surette@PD.Boston.gov>>  
**CC:** Sarah Plowman <Sarah Plowman <Sarah.Plowman@Boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@PD.Boston.gov>>; Scott Wilder <SWilder@BrooklineMA.gov>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>  
**Subject:** Re: PSnet: Equipment for 1 Ashburton  
**Attachment(s):** "smime.p7s"

John,

Any chance we could touch base on how to move forward with these issues, including FCC license coordination?

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Consequently, we need to come to a decision quickly as to whether or not PSnet could leverage the 1 Ashburton roof for new microwave links. If this is going to continue to drag on, then we need to move to alternative plans immediately. It would be much appreciated if you could advise us on the probability that we can arrange to get on 1 Ashburton.

Note that our original plan for leveraging 1 Ashburton included microwave links to 35 Northampton and Soldiers' Home, along with tapping into the Loop A fiber. However, the Government Center Garage construction also blocks the microwave path from 1 Ashburton to Soldiers' Home.

The two most attractive alternative shots into the Metro North region from 1 Ashburton are to Winthrop PD or to Whidden Hospital. In both cases, there are existing FCC licenses from these sites to JFK that could be re-coordinated to go to 1 Ashburton instead. This won't save much time with getting the 1 Ashburton FCC licenses, but we at least know these frequencies are effectively reserved for PSnet, given the proximity of the paths.

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On 6/24/19 1:14 PM, Chuck Wade wrote:

Sarah, John,

There is increased urgency for a new link from downtown Boston to Soldiers' Home, since it appears that the construction next to the A1 Station has killed the PSnet backbone link between JFK and Whidden Hospital. Unfortunately, this link carried a lot of traffic, and its loss degrades PSnet backbone resilience for the metro North Region (Everett, Chelsea, Revere, Winthrop).



If we could add in the link to Soldiers' Home using the radios that will be delivered this week, then that would restore necessary path diversity. At the same time, we will need to re-evaluate this path, since the new construction may very well interfere with a shot from 1 Ashburton to Soldiers' Home. If this is the case, then we have several options:

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Other options exist, but current thinking is that the 1 Ashburton to Winthrop PD path would be preferred. There is a direct microwave link from Winthrop PD to Soldiers' Home, and Winthrop PD has diversely-routed fiber into Revere, and a new connection via BoNet. Revere fiber reaches two other sites with microwave connections to Soldiers' Home, though both have issues.

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| Description                        | Quantity | # U each | Total # U |
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| Patch Panel, Cat6                  | 1        | 1 U      | 1 U       |
| Fiber LIU                          | 1        | 1 U      | 1 U       |
| Cisco 3750G-12S L2/3 switch        | 4        | 1 U      | 4 U       |
| Tripp Lite PDU w/ ATS              | 1        | 1 U      | 1 U       |
| Tripp Lite UPS                     | 2        | 2 U      | 4 U       |
| Totals:                            | 10       |          | 13 U      |

The Cisco switches will be deployed as two independent stacks, with two members each. Not only will these connect into Loop A fiber to reach the PSnet backbone, but all microwave radio connections will be made using MMF. Hence, the reason we're using switches with all SFP ports.

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**From:** John Surette <john.surette@pd.boston.gov>

**Sent:** Tuesday, July 16, 2019 11:34 AM EDT

**To:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>

**CC:** Sarah Plowman <Sarah Plowman <Sarah.Plowman@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>

**Subject:** Re: PSnet: Equipment for 1 Ashburton

Yes most likely later this week.

Will circle back

Thank you

John

Sent from my iPhone

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**From:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Sent:** Thursday, July 18, 2019 2:09 PM EDT  
**To:** sarah.plowman@boston.gov  
**CC:** Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>  
**Subject:** Fwd: PSnet: Brookline DragonWave radio at NE Baptist back up  
FYI to Sarah

Respectfully,

Eric Johnson  
**Security Project Manager**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062  
**M 617-785-8254**

| [www.lan-tel.com](http://www.lan-tel.com). | [Twitter](#)

[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣ □

TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

[www.lan-tel.com](http://www.lan-tel.com)

Begin forwarded message:

Jim, Greg,

Thank you for replacing the lightning arrestor and power injector for the DragonWave Horizon radio at NE Baptist Hospital that shoots to Brookline Town Hall. We can count on you two to get the job done, even when things are a bit out of the ordinary.

This link is back up, and working well. It is actually a very solid link, but perhaps some lightning messed things up a bit, yesterday. It is now healthy again.

Scott, both PSnet microwave paths into Brookline are now back up. Hopefully, you never noticed anything was amiss.

...Chuck

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**From:** Scott Wilder <swilder@brooklinema.gov>  
**Sent:** Thursday, July 18, 2019 2:11 PM EDT  
**To:** Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; sarah.plowman@boston.gov  
**Subject:** Re: PSnet: Brookline DragonWave radio at NE Baptist back up

Thanks to all.

Scott

Sent via the Samsung Galaxy S8, an AT&T 5G Evolution capable smartphone

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

From: Eric Johnson <ejohnson@Lan-Tel.com>  
Date: 7/18/19 2:09 PM (GMT-05:00)  
To: sarah.plowman@boston.gov  
Cc: Scott Wilder <swilder@brooklinema.gov>  
Subject: Fwd: PSnet: Brookline DragonWave radio at NE Baptist back up

FYI to Sarah

Respectfully,

Eric Johnson  
**Security Project Manager**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062  
**M 617-785-8254**  
| [www.lan-tel.com](http://www.lan-tel.com). | [Twitter](#)

[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣ □

TWITTER : @ejctown

<http://linkedin.com/in/eric-johnson-9702a62b>.

[www.lan-tel.com](http://www.lan-tel.com)

Begin forwarded message:



Jim, Greg,

Thank you for replacing the lightning arrestor and power injector for the DragonWave Horizon radio at NE Baptist Hospital that shoots to Brookline Town Hall. We can count on you two to get the job done, even when things are a bit out of the ordinary.

This link is back up, and working well. It is actually a very solid link, but perhaps some lightning messed things up a bit, yesterday. It is now healthy again.

Scott, both PSnet microwave paths into Brookline are now back up. Hopefully, you never noticed anything was amiss.

...Chuck

--

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Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Tuesday, July 23, 2019 11:07 AM EDT  
**To:** Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>  
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**Sarah Plowman**

UASI Project Director  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Tuesday, July 23, 2019 12:02 PM EDT

**To:** John Surette <John Surette <john.surette@pd.boston.gov>>

**CC:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Scott Wilder <Scott Wilder <SWilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>

**Subject:** Re: PSnet: Equipment for 1 Ashburton

Just following up - John, did you ever reach back out about this last week? We do need to move on this, particularly because this work will absolutely trigger EHPs, which will add some time to the overall process.

Shall we set up a conference call to discuss?

On Tue, Jul 16, 2019 at 11:34 AM John Surette <john.surette@pd.boston.gov> wrote:

Yes most likely later this week.

Will circle back

Thank you

John

Sent from my iPhone

On Jul 16, 2019, at 11:33, Chuck Wade <Chuck@interisle.net> wrote:

John,

Any chance we could touch base on how to move forward with these issues, including FCC license coordination?

Thanks...

...Chuck

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Chuck Wade, Principal  
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On 7/8/19 7:13 PM, Chuck Wade wrote:

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Note that our original plan for leveraging 1 Ashburton included microwave links to 35 Northampton and Soldiers' Home, along with tapping into the Loop A fiber. However, the Government Center Garage construction also blocks the microwave path from 1 Ashburton to Soldiers' Home.

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+1 508 277-6439 Mobile  
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On 6/24/19 1:14 PM, Chuck Wade wrote:

Sarah, John,

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- Shoot from 1 Ashburton to Winthrop PD. Note that we have an existing 18 GHz license between JFK and Winthrop PD, though failure of the radio at JFK means this link is not up. Re-coordinating this existing license to 1 Ashburton should be relatively easy, given the proximity of 1 Ashburton to the JFK Federal Building.
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Other options exist, but current thinking is that the 1 Ashburton to Winthrop PD path would be preferred. There is a direct microwave link from Winthrop PD to Soldiers' Home, and Winthrop PD has diversely-routed fiber into Revere, and a new connection via BoNet. Revere fiber reaches two other sites with microwave connections to Soldiers' Home, though both have issues.

We'd be happy to have a phone call to discuss how this new situation affects our plans. Let us know if this would be helpful.

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On 6/6/19 11:39 AM, Sarah Plowman wrote:

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On Wed, Jun 5, 2019 at 4:25 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

John,

As previously indicated, PSnet has modest needs for rack space at 1 Ashburton. An allocation of 18 U of rack space should be more than sufficient.

Furthermore, we do not anticipate that there will ever be more than a half dozen microwave radios deployed at 1 Ashburton, and 3 - 4 would be consistent with current plans. Initially, we need to deploy two licensed

microwave links to 35 Northampton and Soldiers' Home. Information on these links was provided in my email sent on 3-May at 22:03. We anticipate that the largest antennas we will use will be 60 cm (2 ft) dishes.

For equipment that would be located inside the roof penthouse, here is what we plan to deploy:

| Description                        | Quantity | # U each | Total # U |
|------------------------------------|----------|----------|-----------|
| Shelf for microwave power supplies | 1        | 2 U      | 2 U       |
| Patch Panel, Cat6                  | 1        | 1 U      | 1 U       |
| Fiber LIU                          | 1        | 1 U      | 1 U       |
| Cisco 3750G-12S L2/3 switch        | 4        | 1 U      | 4 U       |
| Tripp Lite PDU w/ ATS              | 1        | 1 U      | 1 U       |
| Tripp Lite UPS                     | 2        | 2 U      | 4 U       |
| Totals:                            | 10       |          | 13 U      |

The Cisco switches will be deployed as two independent stacks, with two members each. Not only will these connect into Loop A fiber to reach the PSnet backbone, but all microwave radio connections will be made using MMF. Hence, the reason we're using switches with all SFP ports.

If there is a system UPS available, we could use that instead of providing dedicated UPSs. However, I suspect that in this context, we're better off bringing our own UPSs.

I have also attached a pdf from one of our spreadsheets that we use for deployment planning. This assumes a 24U rack, but the PSnet equipment could comfortably fit into an 18U rack. If we mount the PSnet equipment in an existing rack, then we would want to have 18 U reserved, and we would prefer to have the UPSs mounted at the bottom of the rack.

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We're happy to answer any further questions or assist in any way with moving this forward.

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**Sarah Plowman**  
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**Sarah Plowman**

UASI Project Director

Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400

Fax: 617.635.2974

**From:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Sent:** Tuesday, July 23, 2019 1:02 PM EDT  
**To:** sarah.plowman@boston.gov  
**Subject:** I'm off today can I call you tomorrow ?

Respectfully,

Eric Johnson  
**Security Project Manager**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD,MA 02062  
**M 617-785-8254**

| [www.lan-tel.com](http://www.lan-tel.com). | [Twitter](#)

[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com) ♣ □

TWITTER : @ejctown

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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Tuesday, July 23, 2019 1:10 PM EDT  
**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
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Sounds great, thanks!

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Respectfully,

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**Sarah Plowman**  
UASI Project Director  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204

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**From:** John Surette <[john.surette@pd.boston.gov](mailto:john.surette@pd.boston.gov)>

**Sent:** Tuesday, July 23, 2019 9:07 PM EDT

**To:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>>

**CC:** Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)>>; Shawn Romanoski <[Shawn.Romanoski@pd.boston.gov](mailto:Shawn.Romanoski@pd.boston.gov)>>; Scott Wilder <[SWilder@brooklinema.gov](mailto:SWilder@brooklinema.gov)>>; Eric Johnson <[EJohnson@lan-tel.com](mailto:EJohnson@lan-tel.com)>>; Fred Goldstein <[Fred Goldstein @Fred@interisle.net](mailto:Fred Goldstein @Fred@interisle.net)>>; Colin Strutt <[Colin@interisle.net](mailto:Colin@interisle.net)>>

**Subject:** Re: PSnet: Equipment for 1 Ashburton

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Thank you,

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Sent from my iPad

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**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Wednesday, July 24, 2019 10:29 AM EDT

**To:** John Surette <John Surette <john.surette@pd.boston.gov>>; Ally Sleiman <Ally Sleiman <asleiman@quincyma.gov>>; Ann Roper Quinn <Ann Roper Quinn <annroper.quinn@boston.gov>>; Bob Gillan <Bob Gillan <rgillan@quincyma.gov>>; Brent Campbell <Brent Campbell <bcampbell@quincyma.gov>>; Brian Glavin <Brian Glavin <bglavin@quincyma.gov>>; Brian Kyes <Brian Kyes <bkyes@chelseama.gov>>; Chief Gerald Reardon <Chief Gerald Reardon <greardon@cambridgefire.org>>; Christopher Major <Christopher Major <cmajor@somervillema.gov>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Dave Carifio <Dave Carifio <dcarifio@revere.org>>; Ed Hernandez Sr. <Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Elliot Derdak <Elliot Derdak <derdak@bostonems.org>>; Felix Melendez <Felix Melendez <fmelendez@cambridge911.org>>; Jack Albert <Jack Albert <jalbert@cambridgepolice.org>>; James Guido <James Guido <jguido@reverepolice.org>>; Jay Mazzola <Jay Mazzola <jmazzola@mnrecc.org>>; Joe Conlon <Joe Conlon <jconlon@chelseama.gov>>; Joe Griffin <Joe Griffin <jgriffin@gbpc.org>>; Joe Jackson <Joe Jackson <jjackson@quincyma.gov>>; Joe O'Hare <Joe O'Hare <o'hare@bostonems.org>>; Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Joseph Brooks <Joseph Brooks <joseph.brooks@boston.gov>>; Keith Vetreno <Keith Vetreno <kvetro@chelseama.gov>>; Kristopher Gaff <Kristopher Gaff <kristopher.gaff@cityofeverett.org>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Melissa Nazzaro <Melissa Nazzaro <Melissa.nazzaro@massmail.state.ma.us>>; Meredith Willis <Meredith Willis <mwillis@police.somerville.ma.us>>; Mike Worley <Mike Worley <mworley@quincyma.gov>>; Paul Flanagan <Paul Flanagan <pflanagan@town.winthrop.ma.us>>; Paula Lawrence <Paula Lawrence <paula.lawrence@boston.gov>>; Ramon Garcia <Ramon Garcia <RGarcia@chelseama.gov>>; Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Richard Swartz <Richard Swartz <captswartz@town.winthrop.ma.us>>; Richard Swartz <Richard Swartz <rschwartz@mnrecc.org>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Sean Sheehan <Sean Sheehan <ssheehan@police.somerville.ma.us>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Steve Staffier <Steve Staffier <sstaffier@massport.com>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Thomas Moran <Thomas Moran <tbmoran48@gmail.com>>; Tim Donovan <Tim Donovan <tdonovan2@somervillema.gov>>; Timothy Mitsakis <Timothy Mitsakis <tmitsakis@police.somerville.ma.us>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>; Ahern, Thomas; Brian Gover <Brian Gover <bgover@cambridgefire.org>>; Chief Terence Delehanty <Chief Terence Delehanty <tdelehanty@town.winthrop.ma.us>>; Greg McCarthy <Greg McCarthy <greg.mccarthy@boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Daley <John Daley <John.Daley@pd.boston.gov>>; Keith Houghton <Keith Houghton <khoughton@chelseama.gov>>; Kevin McGoldrick <Kevin McGoldrick <Kevin.mcgoldrick@pd.boston.gov>>; Lt. Richard Lavey <Lt. Richard Lavey <rlavey@police.somerville.ma.us>>; Matthew Kervin <Matthew Kervin <matthew.kervin@pd.boston.gov>>; Nicholas Goon <Nicholas Goon <ngooson@brooklinema.gov>>; Pam Monzone <Pam Monzone <pmonzone@chelseama.gov>>; Paul Sheehan <Paul Sheehan <psheehan@cambridgefire.org>>; Ryan McGovern <Ryan McGovern <ryan.mcgovern@boston.gov>>; Sean Sylvester <Sean Sylvester <ssylvester@police.somerville.ma.us>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Stephen A Ahern (Deputy) <Stephen A Ahern (Deputy) <saahern@cambridgepolice.org>>; Timothy Connolly <Timothy Connolly <timothy.connolly@pd.boston.gov>>; Tony Carli <Tony Carli <tony.carli@cityofeverett.org>>; Walter Heffernan <Walter Heffernan <wheffernan@cambridge911.org>>; White, Kathryn; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Ellison Patterson Jr. <Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Fred Oluokun <Fred Oluokun <foluokun@cambridge911.org>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgema.gov>>

**Subject:** New Regional Planner, and UASI Day Sept. Meeting Date

Hello CIS, PSnet, and Critical Infrastructure members,

Hope the summer is treating you well. As you know, OEM has been hiring several new positions this spring/summer. On the Programmatic/Grant side of the house, I'm now in the Project Director role (which is the role Brenda Jones previously held). On my team will be three Regional Planners. Many of you already know Martin Mulkerrin, who will continue in the role of one of those Regional Planners. We are hiring two new Planners, one who will start in early August, and another who just started this week.

**That new Planner is Brian Glora, and he will be working with the CIS/PSnet, Critical Infrastructure, and Cyber subcommittees and working groups** in the role that I used to have. I'll start bringing him into the details of projects over the next month so that when we all gather together again in September he should be somewhat familiar with the work that you all are doing.

Speaking of September, we talked about an UASI Day meeting during the third week. Please let me know your availability for the following days:

- **Monday, Sept. 16?**
- **Tuesday, Sept. 17?**
- **Thursday, Sept. 19?**

Also if you would like to host, please let me know.

Thanks so much,  
Sarah

--

**Sarah Plowman**

UASI Project Director

Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400

Fax: 617.635.2974



**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Wednesday, July 24, 2019 11:00 AM EDT  
**To:** John Surette <John.Surette@pd.boston.gov>; Sarah Plowman <Sarah.Plowman@sarah.plowman@boston.gov>  
**CC:** Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>; Scott Wilder <Scott.Wilder<SWilder@brooklinema.gov>>; Eric Johnson <Eric.Johnson@lan-tel.com>; Fred Goldstein <Fred@interisle.net>; Colin Strutt <Colin.Strutt@interisle.net>  
**Subject:** Re: PSnet: Equipment for 1 Ashburton  
**Attachment(s):** "smime.p7s"

John,

Thank you for following up.

Note that I will be out of the country between July 30 through August 19. My partner, Fred Goldstein, will be around to work with you on any issues, including pursuing FCC license coordination. Should you need to reach Fred directly, his office number is (617) 795-2701, and his email address is on the cc: list.

Regards...

...Chuck

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
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[www.interisle.net](http://www.interisle.net)

On 7/23/19 9:07 PM, John Surette wrote:

I'm on vacation this week, will reach out when I get back.

Thank you,

John

Sent from my iPad

On Jul 23, 2019, at 12:02, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Just following up - John, did you ever reach back out about this last week? We do need to move on this, particularly because this work will absolutely trigger EHPs, which will add some time to the overall process.

Shall we set up a conference call to discuss?

On Tue, Jul 16, 2019 at 11:34 AM John Surette <[john.surette@pd.boston.gov](mailto:john.surette@pd.boston.gov)> wrote:

Yes most likely later this week.

Will circle back

Thank you

John

Sent from my iPhone

On Jul 16, 2019, at 11:33, Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

John,

Any chance we could touch base on how to move forward with these issues, including FCC license coordination?

Thanks...

...Chuck

---

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On 7/8/19 7:13 PM, Chuck Wade wrote:

John,

PSnet needs to move forward on deploying new microwave backbone links to address the loss of multiple important links over the past year. We are down to only two working links that go via JFK, and so PSnet also needs to vacate the JFK site. Note that the JFK<=>Somerville PD link is poor and susceptible to wind. The other link into JFK is from 35 Northampton.

Consequently, we need to come to a decision quickly as to whether or not PSnet could leverage the 1 Ashburton roof for new microwave links. If this is going to continue to drag on, then we need to move to alternative plans immediately. It would be much appreciated if you could advise us on the probability that we can arrange to get on 1 Ashburton.

Note that our original plan for leveraging 1 Ashburton included microwave links to 35 Northampton and Soldiers' Home, along with tapping into the Loop A fiber. However, the Government Center Garage construction also blocks the microwave path from 1 Ashburton to Soldiers' Home.

The two most attractive alternative shots into the Metro North region from 1 Ashburton are to Winthrop PD or to Whidden Hospital. In both cases, there are existing FCC licenses from these sites to JFK that could be re-coordinated to go to 1 Ashburton instead. This won't save much time with getting the 1 Ashburton FCC licenses, but we at least know these frequencies are effectively reserved for PSnet, given the proximity of the paths.

If we can't use 1 Ashburton, then we will have to fall back to our alternative plan of using the Avalon (1 Leighton) site in Cambridge to shoot to Soldiers' Home. We will also shift the 35 Northampton to 1 Ashburton link to another path that will help close some of the gaps that have emerged in the PSnet backbone recently.

Thank you...  
...Chuck

---

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On 6/24/19 1:14 PM, Chuck Wade wrote:

Sarah, John,

There is increased urgency for a new link from downtown Boston to Soldiers' Home, since it appears that the construction next to the A1 Station has killed the PSnet backbone link between JFK and Whidden Hospital. Unfortunately, this link carried a lot of traffic, and its loss degrades PSnet backbone resilience for the metro North Region (Everett, Chelsea, Revere, Winthrop).

If we could add in the link to Soldiers' Home using the radios that will be delivered this week, then that would restore necessary path diversity. At the same time, we will need to re-evaluate this path, since the new construction may very well interfere with a shot from 1 Ashburton to Soldiers' Home. If this is the case, then we have several options:

- Shoot from 1 Ashburton to Winthrop PD. Note that we have an existing 18 GHz license between JFK and Winthrop PD, though failure of the radio at JFK means this link is not up.

Re-coordinating this existing license to 1 Ashburton should be relatively easy, given the proximity of 1 Ashburton to the JFK Federal Building.

- Shoot to Soldiers' Home from either Avalon (1 Leighton) or Millers River (15 Lambert) in Cambridge. Both sites are on City fiber, and the PSnet switches at Avalon even have diverse fiber paths to both Healy and Cambridge Fire. Avalon was our fallback choice if we could not get onto 1 Ashburton.
- We also have the option of shooting to Soldiers' Home from Longfellow Apartment Towers. The primary detriment to this is that we do not have dark fiber into this commercial building.

Other options exist, but current thinking is that the 1 Ashburton to Winthrop PD path would be preferred. There is a direct microwave link from Winthrop PD to Soldiers' Home, and Winthrop PD has diversely-routed fiber into Revere, and a new connection via BoNet. Revere fiber reaches two other sites with microwave connections to Soldiers' Home, though both have issues.

We'd be happy to have a phone call to discuss how this new situation affects our plans. Let us know if this would be helpful.

...Chuck

---

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On 6/6/19 11:39 AM, Sarah Plowman wrote:

Thanks so much for sending this out, Chuck! John, let me know what else you need from OEM to keep this rolling.

On Wed, Jun 5, 2019 at 4:25 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

John,

As previously indicated, PSnet has modest needs for rack space at 1 Ashburton. An allocation of 18 U of rack space should be more than sufficient.

Furthermore, we do not anticipate that there will ever be more than a half dozen microwave radios deployed at 1 Ashburton, and 3 - 4 would be consistent with current plans. Initially, we need to deploy two licensed microwave links to 35 Northampton and Soldiers' Home. Information on these links was provided in my email sent on 3-May at 22:03. We anticipate that the largest antennas we will use will be 60 cm (2 ft) dishes.

For equipment that would be located inside the roof penthouse, here is what we plan to deploy:

| Description                        | Quantity | # U each | Total # U |
|------------------------------------|----------|----------|-----------|
| Shelf for microwave power supplies | 1        | 2 U      | 2 U       |
| Patch Panel, Cat6                  | 1        | 1 U      | 1 U       |
| Fiber LIU                          | 1        | 1 U      | 1 U       |

|                             |    |     |      |
|-----------------------------|----|-----|------|
| Cisco 3750G-12S L2/3 switch | 4  | 1 U | 4 U  |
| Tripp Lite PDU w/ ATS       | 1  | 1 U | 1 U  |
| Tripp Lite UPS              | 2  | 2 U | 4 U  |
| Totals:                     | 10 |     | 13 U |

The Cisco switches will be deployed as two independent stacks, with two members each. Not only will these connect into Loop A fiber to reach the PSnet backbone, but all microwave radio connections will be made using MMF. Hence, the reason we're using switches with all SFP ports.

If there is a system UPS available, we could use that instead of providing dedicated UPSs. However, I suspect that in this context, we're better off bringing our own UPSs.

I have also attached a pdf from one of our spreadsheets that we use for deployment planning. This assumes a 24U rack, but the PSnet equipment could comfortably fit into an 18U rack. If we mount the PSnet equipment in an existing rack, then we would want to have 18 U reserved, and we would prefer to have the UPSs mounted at the bottom of the rack.

For the microwave power supplies, I have indicated a rack-mount shelf, with 2U of space allocated. However, depending on how cabling will be routed to the microwave radios, power supplies and ancillary lightning arrestors may be mounted differently (ESD protection is only needed for power connections). Note that we use ODU-only microwave radios, so power supplies are the only indoor equipment for these radios, and the power supplies could be mounted outside as well.

We're happy to answer any further questions or assist in any way with moving this forward.

...Chuck

--

---

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**Sarah Plowman**

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UASI Project Director

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Fax: 617.635.2974

**From:** Ford Capt Steven <sford@reverepolice.org>

**Sent:** Wednesday, July 24, 2019 1:28 PM EDT

**To:** Sarah Plowman <Sarah.Plowman@boston.gov>; John Surette <John.Surette@john.surette@pd.boston.gov>; Ally Sleiman <Ally.Sleiman@quincyma.gov>; Ann Roper Quinn <Ann.Roper.Quinn@boston.gov>; Bob Gillan <Bob.Gillan@rgillan@quincyma.gov>; Brent Campbell <Brent.Campbell@bcampbell@quincyma.gov>; Brian Glavin <Brian.Glavin@bglavin@quincyma.gov>; Brian Kyes <Brian.Kyes@bkyes@chelseama.gov>; Chief Gerald Reardon <Chief.Gerald.Reardon@greardon@cambridgefire.org>; Christopher Major <Christopher.Major@cmajor@somervillema.gov>; Dan Rothman <Dan.Rothman@dan.rothman@boston.gov>; Dave Carifio <Dave.Carifio@dcarifio@revere.org>; Ed Hernandez Sr. <Ed.Hernandez.Sr.@ehernandez@chelseama.gov>; Elliot Derdak <Elliot.Derdak@derdak@bostonems.org>; Felix Melendez <Felix.Melendez@fmelendez@cambridge911.org>; Jack Albert <Jack.Albert@jalbert@cambridgepolice.org>; Guido Chief James <Guido.Chief.James@guido@reverepolice.org>; Jay Mazzola <Jay.Mazzola@jmazzola@mnrecc.org>; Joe Conlon <Joe.Conlon@jconlon@chelseama.gov>; Joe Griffin <Joe.Griffin@jgriffin@gbpc.org>; Joe Jackson <Joe.Jackson@jjackson@quincyma.gov>; Joe O'Hare <Joe.O'Hare@o'hare@bostonems.org>; Joe Pepjonovich <Joe.Pepjonovich@jpepjonovich@quincyma.gov>; John Goodwin <John.Goodwin@jgoodwin@town.winthrop.ma.us>; Joseph Brooks <Joseph.Brooks@joseph.brooks@boston.gov>; Keith Vetreno <Keith.Vetreno@kvetreno@chelseama.gov>; Kristopher Gaff <Kristopher.Gaff@kristopher.gaff@cityofeverett.org>; Linda Calnan <Linda.Calnan@linda.calnan@boston.gov>; Melissa Nazzaro <Melissa.Nazzaro@melissa.nazzaro@massmail.state.ma.us>; Meredith Willis <Meredith.Willis@mwillis@police.somerville.ma.us>; Mike Worley <Mike.Worley@mworley@quincyma.gov>; Paul Flanagan <Paul.Flanagan@pflanagan@town.winthrop.ma.us>; Paula Lawrence <Paula.Lawrence@paula.lawrence@boston.gov>; Ramon Garcia <Ramon.Garcia@RGarcia@chelseama.gov>; Regina Collyer <Regina.Collyer@regina.collyer@cityofeverett.org>; Richard Swartz <Richard.Swartz@captswartz@town.winthrop.ma.us>; Richard Swartz <Richard.Swartz@rswartz@mnrecc.org>; Robert Griffin <Robert.Griffin@rgriffin@chelseama.gov>; Salvatore Fusco <Salvatore.Fusco@sfusco@police.somerville.ma.us>; Scott Wilder <Scott.Wilder@swilder@brooklinema.gov>; Sean Sheehan <Sean.Sheehan@ssheehan@police.somerville.ma.us>; Shawn Romanoski <Shawn.Romanoski@Shawn.Romanoski@pd.boston.gov>; Stan Reichgott <Stan.Reichgott@sreichgott@brooklinema.gov>; Steve Staffier <Steve.Staffier@sstaffier@massport.com>; Thomas Moran <Thomas.Moran@tbmoran48@gmail.com>; Tim Donovan <Tim.Donovan@tdonovan2@somervillema.gov>; Timothy Mitsakis <Timothy.Mitsakis@tmitsakis@police.somerville.ma.us>; Wayne Carter <Wayne.Carter@wcarter@town.winthrop.ma.us>; Ahern, Thomas; Brian Gover <Brian.Gover@bgoover@cambridgefire.org>; Chief Terence Delehanty <Chief.Terence.Delehanty@tdelehanty@town.winthrop.ma.us>; Greg McCarthy <Greg.McCarthy@greg.mccarthy@boston.gov>; Jim Fitzpatrick <Jim.Fitzpatrick@jim.fitzpatrick@pd.boston.gov>; John Daley <John.Daley@John.Daley@pd.boston.gov>; Keith Houghton <Keith.Houghton@khoughton@chelseama.gov>; Kevin McGoldrick <Kevin.McGoldrick@Kevin.McGoldrick@pd.boston.gov>; Lt. Richard Lavey <Lt.Richard.Lavey@rlavey@police.somerville.ma.us>; Matthew Kervin <Matthew.Kervin@matthew.kervin@pd.boston.gov>; Nicholas Goon <Nicholas.Goon@ngoos@brooklinema.gov>; Pam Monzione <Pam.Monzione@pmonzione@chelseama.gov>; Paul Sheehan <Paul.Sheehan@psheehan@cambridgefire.org>; Ryan McGovern <Ryan.McGovern@ryan.mcgovern@boston.gov>; Sean Sylvester <Sean.Sylvester@ssylvester@police.somerville.ma.us>; Shannon LeColst <Shannon.LeColst@shannon.lecolst@boston.gov>; Stephen A Ahern (Deputy) <Stephen.A.Ahern@saahern@cambridgepolice.org>; Timothy Connolly <Timothy.Connolly@timothy.connolly@pd.boston.gov>; Tony Carli <Tony.Carli@tony.carli@cityofeverett.org>; Walter Heffernan <Walter.Heffernan@wheffernan@cambridge911.org>; White, Kathryn; Brett Haynes <Brett.Haynes@brett.haynes@boston.gov>; Chuck Wade <Chuck.Wade@chuck@interisle.net>; Colin Strutt <Colin.Strutt@colin@interisle.net>; Ellison Patterson Jr. <Ellison.Patterson.Jr.@ellison1@skywave.org>; Eric Johnson <Eric.Johnson@ejohnson@lan-tel.com>; Fred Goldstein <Fred.Goldstein@fred@interisle.net>; Fred Oluokun <Fred.Oluokun@foluokun@cambridge911.org>; Jason Marshall <Jason.Marshall@Jason.Marshall@pd.boston.gov>; Stephen Maywalt <Stephen.Maywalt@smaywalt@cambridgema.gov>

**Subject:** RE: New Regional Planner, and UASI Day Sept. Meeting Date

I am available all 3 days and can host on the 16<sup>th</sup> if needed

Capt Steven Ford  
781-286-8335

[www.reverepolice.org](http://www.reverepolice.org)

<http://www.facebook.com/ReverePoliceDept>

@reverepolice on Twitter

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**From:** Sarah Plowman [mailto:sarah.plowman@boston.gov]

**Sent:** Wednesday, July 24, 2019 10:30 AM

**To:** John Surette; Ally Sleiman; Ann Roper Quinn; Bob Gillan; Brent Campbell; Brian Glavin; Brian Kyes; Chief Gerald Reardon; Christopher Major; Dan Rothman; Dave Carifio; Ed Hernandez Sr.; Elliot Derdak; Felix Melendez; Jack Albert; Guido Chief James; Jay Mazzola; Joe Conlon; Joe Griffin; Joe Jackson; Joe O'Hare; Joe Pepjonovich; John Goodwin; Joseph Brooks; Keith Vetreno; Kristopher Gaff; Linda Calnan; Melissa Nazzaro; Meredith Willis; Mike Worley; Paul Flanagan; Paula Lawrence; Ramon Garcia; Regina Collyer; Richard Swartz; Richard Swartz; Robert Griffin; Salvatore Fusco; Scott Wilder; Sean Sheehan; Shawn Romanoski; Stan Reichgott; Steve Staffier; Ford Capt Steven; Thomas Moran; Tim Donovan; Timothy Mitsakis; Wayne Carter; Ahern, Thomas; Brian Gover; Chief Terence Delehanty; Greg McCarthy; Jim Fitzpatrick; John Daley; Keith Houghton; Kevin McGoldrick; Lt. Richard Lavey; Matthew Kervin; Nicholas Goon; Pam Monzione; Paul Sheehan; Ryan McGovern; Sean Sylvester; Shannon LeColst; Stephen A Ahern (Deputy); Timothy Connolly;

Tony Carli; Walter Heffernan; White, Kathryn; Brett Haynes; Chuck Wade; Colin Strutt; Ellison Patterson Jr.; Eric Johnson; Fred Goldstein; Fred Oluokun; Jason Marshall; Stephen Maywalt

**Subject:** New Regional Planner, and UASI Day Sept. Meeting Date

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**Sarah Plowman**

UASI Project Director

Mayor's Office of Emergency Management

Boston City Hall, Room 204

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Phone: 617.635.1400

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**From:** Griffin, Robert <RGriffin@chelseama.gov>

**Sent:** Wednesday, July 24, 2019 1:35 PM EDT

**To:** Ford Capt Steven <Ford Capt Steven <sford@reverepolice.org>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>; John Surette <John Surette <john.surette@pd.boston.gov>; Ally Sleiman <Ally Sleiman <asleiman@quincyma.gov>; Ann Roper Quinn <Ann Roper Quinn <annroper.quinn@boston.gov>; Bob Gillan <Bob Gillan <rgillan@quincyma.gov>; Brent Campbell <Brent Campbell <bcampbell@quincyma.gov>; Brian Glavin <Brian Glavin <bglavin@quincyma.gov>; Kyes, Brian; Chief Gerald Reardon <Chief Gerald Reardon <greardon@cambridgefire.org>; Christopher Major <Christopher Major <cmajor@somervillema.gov>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>; Dave Carifio <Dave Carifio <dcarifio@revere.org>; Hernandez, Edwin; Elliot Derdak <Elliot Derdak <derdak@bostonems.org>; Felix Melendez <Felix Melendez <fmelendez@cambridge911.org>; Jack Albert <Jack Albert <jalbert@cambridgepolice.org>; Guido Chief James <Guido Chief James <jguido@reverepolice.org>; Jay Mazzola <Jay Mazzola <jmazzola@mnrecc.org>; Conlon, Joseph; Joe Griffin <Joe Griffin <jgriffin@gbpc.org>; Joe Jackson <Joe Jackson <jjackson@quincyma.gov>; Joe O'Hare <Joe O'Hare <o'hare@bostonems.org>; Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>; Joseph Brooks <Joseph Brooks <joseph.brooks@boston.gov>; Vetreno, Keith; Kristopher Gaff <Kristopher Gaff <kristopher.gaff@cityofeverett.org>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>; Melissa Nazzaro <Melissa Nazzaro <melissa.nazzaro@massmail.state.ma.us>; Meredith Willis <Meredith Willis <mwillis@police.somerville.ma.us>; Mike Worley <Mike Worley <mworley@quincyma.gov>; Paul Flanagan <Paul Flanagan <pflanagan@town.winthrop.ma.us>; Paula Lawrence <Paula Lawrence <paula.lawrence@boston.gov>; Garcia, Ramon; Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>; Richard Swartz <Richard Swartz <captswartz@town.winthrop.ma.us>; Richard Swartz <Richard Swartz <rswartz@mnrecc.org>; Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>; Sean Sheehan <Sean Sheehan <ssheehan@police.somerville.ma.us>; Shawn Romanoski <Shawn Romanoski <shawn.romanoski@pd.boston.gov>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>; Steve Staffier <Steve Staffier <sstaffier@massport.com>; Thomas Moran <Thomas Moran <tbmoran48@gmail.com>; Tim Donovan <Tim Donovan <tdonovan2@somervillema.gov>; Timothy Mitsakis <Timothy Mitsakis <tmitsakis@police.somerville.ma.us>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>; Ahern, Thomas; Brian Gover <Brian Gover <bgoover@cambridgefire.org>; Chief Terence Delehanty <Chief Terence Delehanty <tdelehanty@town.winthrop.ma.us>; Greg McCarthy <Greg McCarthy <greg.mccarthy@boston.gov>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>; John Daley <John Daley <John.Daley@pd.boston.gov>; Houghton, Keith; Kevin McGoldrick <Kevin McGoldrick <Kevin.mcgoldrick@pd.boston.gov>; Lt. Richard Lavey <Lt. Richard Lavey <rlavey@police.somerville.ma.us>; Matthew Kervin <Matthew Kervin <matthew.kervin@pd.boston.gov>; Nicholas Goon <Nicholas Goon <ngoos@brooklinema.gov>; Monziona, Pam; Paul Sheehan <Paul Sheehan <psheehan@cambridgefire.org>; Ryan McGovern <Ryan McGovern <ryan.mcgovern@boston.gov>; Sean Sylvester <Sean Sylvester <ssylvester@police.somerville.ma.us>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>; Stephen A Ahern (Deputy) <Stephen A Ahern (Deputy) <saahern@cambridgepolice.org>; Timothy Connolly <Timothy Connolly <timothy.connolly@pd.boston.gov>; Tony Carli <Tony Carli <tony.carli@cityofeverett.org>; Walter Heffernan <Walter Heffernan <wheffernan@cambridge911.org>; White, Kathryn; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>; Chuck Wade <Chuck Wade <chuck@interisle.net>; Colin Strutt <Colin Strutt <colin@interisle.net>; Ellison Patterson Jr. <Ellison Patterson Jr. <ellison1@skywave.org>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>; Fred Goldstein <Fred Goldstein <fred@interisle.net>; Fred Oluokun <Fred Oluokun <foluokun@cambridge911.org>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgema.gov>

**Subject:** RE: New Regional Planner, and UASI Day Sept. Meeting Date

I am unavailable the entire week. These dates are the week before the Statewide Police Promotional Exam which is being held on Sept 21. I will be taking the entire week off to prepare for the exam. Also, there is an exam prep course being run by Hanrahan Consulting Sept 17-20 which many officers seeking promotion will likely be attending.

---

**From:** Ford Capt Steven [mailto:sford@reverepolice.org]

**Sent:** Wednesday, July 24, 2019 1:28 PM

**To:** Sarah Plowman <sarah.plowman@boston.gov>; John Surette <John Surette <john.surette@pd.boston.gov>; Ally Sleiman <asleiman@quincyma.gov>; Ann Roper Quinn <annroper.quinn@boston.gov>; Bob Gillan <rgillan@quincyma.gov>; Brent Campbell <bcampbell@quincyma.gov>; Brian Glavin <bglavin@quincyma.gov>; Kyes, Brian <BKyes@chelseama.gov>; Chief Gerald Reardon <greardon@cambridgefire.org>; Christopher Major <cmajor@somervillema.gov>; Dan Rothman <dan.rothman@boston.gov>; Dave Carifio <dcarifio@revere.org>; Hernandez, Edwin <EHernandez@chelseama.gov>; Elliot Derdak <derdak@bostonems.org>; Felix Melendez <fmelendez@cambridge911.org>; Jack Albert <jalbert@cambridgepolice.org>; Guido Chief James <jguido@reverepolice.org>; Jay Mazzola <jmazzola@mnrecc.org>; Conlon, Joseph <JConlon@chelseama.gov>; Joe Griffin <jgriffin@gbpc.org>; Joe Jackson <jjackson@quincyma.gov>; Joe O'Hare <o'hare@bostonems.org>; Joe Pepjonovich <jpepjonovich@quincyma.gov>; John Goodwin <jgoodwin@town.winthrop.ma.us>; Joseph Brooks <joseph.brooks@boston.gov>; Vetreno, Keith <KVetreno@chelseama.gov>; Kristopher Gaff <kristopher.gaff@cityofeverett.org>; Linda Calnan <linda.calnan@boston.gov>; Melissa Nazzaro <Melissa.nazzaro@massmail.state.ma.us>; Meredith Willis <mwillis@police.somerville.ma.us>; Mike Worley <mworley@quincyma.gov>; Paul Flanagan <pflanagan@town.winthrop.ma.us>; Paula Lawrence <paula.lawrence@boston.gov>; Garcia, Ramon <RGarcia@chelseama.gov>; Regina Collyer <regina.collyer@cityofeverett.org>; Richard Swartz <captswartz@town.winthrop.ma.us>; Richard Swartz <rswartz@mnrecc.org>; Griffin, Robert <RGriffin@chelseama.gov>; Salvatore Fusco <sfusco@police.somerville.ma.us>; Scott Wilder <swilder@brooklinema.gov>; Sean Sheehan <ssheehan@police.somerville.ma.us>; Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>; Stan Reichgott <sreichgott@brooklinema.gov>; Steve Staffier <sstaffier@massport.com>; Thomas Moran <tbmoran48@gmail.com>; Tim Donovan <tdonovan2@somervillema.gov>; Timothy Mitsakis



<tmtsakis@police.somerville.ma.us>; Wayne Carter <wcarter@town.winthrop.ma.us>; Ahern, Thomas <TAhern@cambridgepolice.org>; Brian Gover <bgover@cambridgefire.org>; Chief Terence Delehanty <tdelehanty@town.winthrop.ma.us>; Greg McCarthy <greg.mccarthy@boston.gov>; Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>; John Daley <John.Daley@pd.boston.gov>; Houghton, Keith <KHoughton@chelseama.gov>; Kevin McGoldrick <Kevin.mcgoldrick@pd.boston.gov>; Lt. Richard Lavey <rlavey@police.somerville.ma.us>; Matthew Kervin <matthew.kervin@pd.boston.gov>; Nicholas Goon <ngoon@brooklinema.gov>; Monziona, Pam <PMonziona@chelseama.gov>; Paul Sheehan <psheehan@cambridgefire.org>; Ryan McGovern <ryan.mcgovern@boston.gov>; Sean Sylvester <ssylvester@police.somerville.ma.us>; Shannon LeColst <shannon.lecolst@boston.gov>; Stephen A Ahern (Deputy) <saahern@cambridgepolice.org>; Timothy Connolly <timothy.connolly@pd.boston.gov>; Tony Carli <tony.carli@cityofeverett.org>; Walter Heffernan <wheffernan@cambridge911.org>; White, Kathryn <Kathryn.White@mwra.com>; Brett Haynes <brett.haynes@boston.gov>; Chuck Wade <chuck@interisle.net>; Colin Strutt <colin@interisle.net>; Ellison Patterson Jr. <ellison1@skywave.org>; Eric Johnson <ejohnson@lan-tel.com>; Fred Goldstein <fred@interisle.net>; Fred Oluokun <foluokun@cambridge911.org>; Jason Marshall <Jason.Marshall@pd.boston.gov>; Stephen Maywalt <smaywalt@cambridgema.gov>

**Subject:** RE: New Regional Planner, and UASI Day Sept. Meeting Date

I am available all 3 days and can host on the 16<sup>th</sup> if needed

Capt Steven Ford  
781-286-8335

[www.reverepolice.org](http://www.reverepolice.org)

<http://www.facebook.com/ReverePoliceDept>

@reverepolice on Twitter

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**From:** Sarah Plowman [<mailto:sarah.plowman@boston.gov>]

**Sent:** Wednesday, July 24, 2019 10:30 AM

**To:** John Surette; Ally Sleiman; Ann Roper Quinn; Bob Gillan; Brent Campbell; Brian Glavin; Brian Kyes; Chief Gerald Reardon; Christopher Major; Dan Rothman; Dave Carifio; Ed Hernandez Sr.; Elliot Derdak; Felix Melendez; Jack Albert; Guido Chief James; Jay Mazzola; Joe Conlon; Joe Griffin; Joe Jackson; Joe O'Hare; Joe Pepjonovich; John Goodwin; Joseph Brooks; Keith Vetreno; Kristopher Gaff; Linda Calnan; Melissa Nazzaro; Meredith Willis; Mike Worley; Paul Flanagan; Paula Lawrence; Ramon Garcia; Regina Collyer; Richard Swartz; Robert Griffin; Salvatore Fusco; Scott Wilder; Sean Sheehan; Shawn Romanoski; Stan Reichgott; Steve Staffier; Ford Capt Steven; Thomas Moran; Tim Donovan; Timothy Mitsakis; Wayne Carter; Ahern, Thomas; Brian Gover; Chief Terence Delehanty; Greg McCarthy; Jim Fitzpatrick; John Daley; Keith Houghton; Kevin McGoldrick; Lt. Richard Lavey; Matthew Kervin; Nicholas Goon; Pam Monziona; Paul Sheehan; Ryan McGovern; Sean Sylvester; Shannon LeColst; Stephen A Ahern (Deputy); Timothy Connolly; Tony Carli; Walter Heffernan; White, Kathryn; Brett Haynes; Chuck Wade; Colin Strutt; Ellison Patterson Jr.; Eric Johnson; Fred Goldstein; Fred Oluokun; Jason Marshall; Stephen Maywalt

**Subject:** New Regional Planner, and UASI Day Sept. Meeting Date

Hello CIS, PSnet, and Critical Infrastructure members,

Hope the summer is treating you well. As you know, OEM has been hiring several new positions this spring/summer. On the Programmatic/Grant side of the house, I'm now in the Project Director role (which is the role Brenda Jones previously held). On my team will be three Regional Planners. Many of you already know Martin Mulkerrin, who will continue in the role of one of those Regional Planners. We are hiring two new Planners, one who will start in early August, and another who just started this week.

**That new Planner is Brian Glora, and he will be working with the CIS/PSnet, Critical Infrastructure, and Cyber subcommittees and working groups** in the role that I used to have. I'll start bringing him into the details of projects over the next month so that when we all gather together again in September he should be somewhat familiar with the work that you all are doing.

Speaking of September, we talked about an UASI Day meeting during the third week. Please let me know your availability for the following days:

- **Monday, Sept. 16?**
- **Tuesday, Sept. 17?**
- **Thursday, Sept. 19?**

Also if you would like to host, please let me know.

Thanks so much,  
Sarah

--

**Sarah Plowman**

UASI Project Director

Mayor's Office of Emergency Management

Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201

Phone: 617.635.1400



**From:** Chuck Wade <Chuck@Interisle.net>

**Sent:** Friday, July 26, 2019 11:53 AM EDT

**To:** Sarah Plowman <Sarah.Plowman@Boston.gov>>

**CC:** Brian Glora <Brian.Glora@Boston.gov>>; Scott Wilder <SWilder@BrooklineMA.gov>>; Eric Johnson <Eric.Johnson@LAN-TEL.com>>; Colin Strutt <Colin.Strutt@Interisle.net>>; Fred Goldstein <Fred@Interisle.net>>

**Subject:** PSnet: Out-of-Office notice: July 30 through August 19

**Attachment(s):** "smime.p7s"

Sarah, et al.,

I am confirming that I will be on vacation traveling to Scotland for three weeks, leaving on July 30 and returning on August 19. While I will be back on August 20, I would like to avoid jumping back into the saddle until the 21st. While I am out of the country, my access to email and phone service will be limited, and sporadic.

As always, LAN-TEL will be the PSnet first point of contact, but Colin and Fred will be continuing PSnet project activities as part of our role with LAN-TEL, and they will respond to any problems within the Interisle realm of responsibilities that might crop up. For any project management or administrative issues, Colin will be the Interisle point of contact in my absence. Fred will be following up on the FCC licensing and other backbone microwave issues. Here are Colin's and Fred's contact details:

- **Colin Strutt**  
(978) 692-6826 Office (preferred)  
(978) 397-1905 Mobile  
[Colin@Interisle.net](mailto:Colin@Interisle.net)
- **Fred Goldstein**  
(617) 795-2701 Office (preferred)  
(617) 529-8387 Mobile  
[Fred@Interisle.net](mailto:Fred@Interisle.net)

Note that I do not expect to be able to use my Verizon mobile phone in England and Scotland. I may be able to pick up a local SIM card, but the number will be different. I will make sure that Colin and Fred know how to reach me if I am able to establish mobile phone service.

I hope all of you enjoy the last month of summer.

...Chuck

--

---

Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile  
[www.interisle.net](http://www.interisle.net)

**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Monday, July 29, 2019 4:47 PM EDT

**To:** John Surette <John Surette <john.surette@pd.boston.gov>>; Ally Sleiman <Ally Sleiman <asleiman@quincyma.gov>>; Ann Roper Quinn <Ann Roper Quinn <annroper.quinn@boston.gov>>; Bob Gillan <Bob Gillan <rgillan@quincyma.gov>>; Brent Campbell <Brent Campbell <bcampbell@quincyma.gov>>; Brian Glavin <Brian Glavin <bglavin@quincyma.gov>>; Brian Kyes <Brian Kyes <bkyes@chelseama.gov>>; Chief Gerald Reardon <Chief Gerald Reardon <greardon@cambridgefire.org>>; Christopher Major <Christopher Major <cmajor@somervillema.gov>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Dave Carifio <Dave Carifio <dcarifio@revere.org>>; Ed Hernandez Sr. <Ed Hernandez Sr. <ehernandez@chelseama.gov>>; Elliot Derdak <Elliot Derdak <derdak@bostonems.org>>; Felix Melendez <Felix Melendez <fmelendez@cambridge911.org>>; Jack Albert <Jack Albert <jalbert@cambridgepolice.org>>; James Guido <James Guido <jguido@reverepolice.org>>; Jay Mazzola <Jay Mazzola <jmazzola@mnrecc.org>>; Joe Conlon <Joe Conlon <jconlon@chelseama.gov>>; Joe Griffin <Joe Griffin <jgriffin@gbpc.org>>; Joe Jackson <Joe Jackson <jjackson@quincyma.gov>>; Joe O'Hare <Joe O'Hare <o'hare@bostonems.org>>; Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Joseph Brooks <Joseph Brooks <joseph.brooks@boston.gov>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Kristopher Gaff <Kristopher Gaff <kristopher.gaff@cityofeverett.org>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Melissa Nazzaro <Melissa Nazzaro <Melissa.nazzaro@massmail.state.ma.us>>; Meredith Willis <Meredith Willis <mwillis@police.somerville.ma.us>>; Mike Worley <Mike Worley <mworley@quincyma.gov>>; Paul Flanagan <Paul Flanagan <pflanagan@town.winthrop.ma.us>>; Paula Lawrence <Paula Lawrence <paula.lawrence@boston.gov>>; Ramon Garcia <Ramon Garcia <RGarcia@chelseama.gov>>; Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Richard Swartz <Richard Swartz <captswartz@town.winthrop.ma.us>>; Richard Swartz <Richard Swartz <rschwartz@mnrecc.org>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Sean Sheehan <Sean Sheehan <ssheehan@police.somerville.ma.us>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Steve Staffier <Steve Staffier <sstaffier@massport.com>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Thomas Moran <Thomas Moran <tbmoran48@gmail.com>>; Tim Donovan <Tim Donovan <tdonovan2@somervillema.gov>>; Timothy Mitsakis <Timothy Mitsakis <tmitsakis@police.somerville.ma.us>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>; Ahern, Thomas; Brian Gover <Brian Gover <bgover@cambridgefire.org>>; Chief Terence Delehanty <Chief Terence Delehanty <tdelehanty@town.winthrop.ma.us>>; Greg McCarthy <Greg McCarthy <greg.mccarthy@boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Daley <John Daley <John.Daley@pd.boston.gov>>; Keith Houghton <Keith Houghton <khoughton@chelseama.gov>>; Kevin McGoldrick <Kevin McGoldrick <Kevin.mcgoldrick@pd.boston.gov>>; Lt. Richard Lavey <Lt. Richard Lavey <rlavey@police.somerville.ma.us>>; Matthew Kervin <Matthew Kervin <matthew.kervin@pd.boston.gov>>; Nicholas Goon <Nicholas Goon <ngoon@brooklinema.gov>>; Pam Monzione <Pam Monzione <pmonzione@chelseama.gov>>; Paul Sheehan <Paul Sheehan <psheehan@cambridgefire.org>>; Ryan McGovern <Ryan McGovern <ryan.mcgovern@boston.gov>>; Sean Sylvester <Sean Sylvester <ssylvester@police.somerville.ma.us>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Stephen A Ahern (Deputy) <Stephen A Ahern (Deputy) <saahern@cambridgepolice.org>>; Timothy Connolly <Timothy Connolly <timothy.connolly@pd.boston.gov>>; Tony Carli <Tony Carli <tony.carli@cityofeverett.org>>; Walter Heffernan <Walter Heffernan <wheffernan@cambridge911.org>>; White, Kathryn; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Ellison Patterson Jr. <Ellison Patterson Jr. <ellison1@skywave.org>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Fred Goldstein <Fred Goldstein <fred@interisle.net>>; Fred Oluokun <Fred Oluokun <foluokun@cambridge911.org>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgema.gov>>

**Subject:** Re: New Regional Planner, and UASI Day Sept. Meeting Date

Hello again everyone,

Due to balancing various calendars, please hold **Monday, September 16, at Revere PD** for the next UASI day.

Somerville, thank you for your offer to host! We will try to take you up on it next time. And to all of you, thank you for making a Monday meeting day work this time.

Calendar invites to follow...

Thanks,  
Sarah

On Wed, Jul 24, 2019 at 10:29 AM Sarah Plowman <sarah.plowman@boston.gov> wrote:

Hello CIS, PSnet, and Critical Infrastructure members,

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Thanks so much,  
Sarah

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**Sarah Plowman**

UASI Project Director  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
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--

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UASI Project Director  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204

One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

**From:** Linda Calnan <linda.calnan@boston.gov>

**Sent:** Tuesday, July 30, 2019 9:24 AM EDT

**To:** Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; Henry, Brian; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Mike Lynch (DoIT) <Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; John Gillis <John Gillis <john.r.gillis@boston.gov>>; Gilchrist, Robert; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Stavenson, Mauori; Pereira, Jeffrey; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>; Steven Whitman <Steven Whitman <steven.whitman@pd.boston.gov>>; Rodriguez, Daniel

**CC:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Brian Glora <Brian Glora <brian.glora@boston.gov>>

**Subject:** Security Camera Strategy Meeting - 7/31/19 - Tomorrow

**Attachment(s):** "Security Camera Strategy Meeting\_7-31-19.docx"

Hi all - hope you are enjoying your summer. Attached is the status report for tomorrow's meeting. As we are on the summer schedule, our next meeting will be in a month at the end of August.

Thanks.



**Linda Calnan**

**Sr. Project Manager | [Department of Innovation & Technology \(DoIT\)](#) | [City of Boston](#)**

1 City Hall Square, Room 109

Boston, MA 02201

D: 617-635-2875

C: 781-738-2020

[linda.calnan@boston.gov](mailto:linda.calnan@boston.gov)

**From:** John Gillis <john.r.gillis@boston.gov>

**Sent:** Tuesday, July 30, 2019 9:29 AM EDT

**To:** Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>

**CC:** Beers, Jeff; Brian Barcelou <Brian Barcelou <Brian.Barcelou@pd.boston.gov>>; Brian Glora <Brian Glora <brian.glora@boston.gov>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Don Burgess <Don Burgess <don.burgess@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Gilchrist, Robert; Haynes, Brett; Henry, Brian; Jason Friedberg <Jason Friedberg <jfriedberg@genetec.com>>; Jason MacDonald <Jason MacDonald <Jason.MacDonald@boston.gov>>; Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; Lauren Firnstein <Lauren Firnstein <lauren.m.firnstein@boston.gov>>; Louis Madeira <Louis Madeira <Louis.madeira@pd.boston.gov>>; Matthew Spillane <Matthew Spillane <matthew.spillane@pd.boston.gov>>; McDavitt, Conor; Michael Sulprizio <Michael Sulprizio <Michael.Sulprizio@boston.gov>>; Mike Lynch (DoIT) <Mike Lynch (DoIT) <mike.lynch@boston.gov>>; Pereira, Jeffrey; Ramasamy, Krishnamoorthi; Robert Flaherty <Robert Flaherty <robert.flaherty@boston.gov>>; Rodriguez, Daniel; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stavenson, Mauori; Steve Healy <Steve Healy <steve.healy@boston.gov>>; Steven Whitman <Steven Whitman <steven.whitman@pd.boston.gov>>; Vasconcelos, Nelson; Vincent Stancato <Vincent Stancato <vstancato@lan-tel.com>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson Aleman <Wilson Aleman <wilson.aleman@boston.gov>>

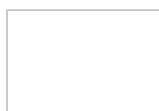
**Subject:** Re: Security Camera Strategy Meeting - 7/31/19 - Tomorrow

Thanks, I'll be there.

On Tue, Jul 30, 2019 at 9:24 AM Linda Calnan <linda.calnan@boston.gov> wrote:

Hi all - hope you are enjoying your summer. Attached is the status report for tomorrow's meeting. As we are on the summer schedule, our next meeting will be in a month at the end of August.

Thanks.



**Linda Calnan**

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