

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Monday, April 29, 2019 2:51 PM EDT  
**To:** Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

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Kelly

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**Sent:** Monday, April 29, 2019 2:09 PM  
**To:** Kelly Cinelli <[kcinelli@lan-tel.com](mailto:kcinelli@lan-tel.com)>  
**Cc:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Subject:** Re: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

Kelly,

So LAN-TEL is not able to provide monitoring or maintenance services through any state contract anymore?

Thanks,

Sarah

On Mon, Apr 29, 2019 at 2:04 PM Kelly Cinelli <[kcinelli@lan-tel.com](mailto:kcinelli@lan-tel.com)> wrote:

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**From:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Sent:** Monday, April 29, 2019 12:34 PM  
**To:** Kelly Cinelli <[kcinelli@lan-tel.com](mailto:kcinelli@lan-tel.com)>  
**Cc:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
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Hi Kelly,

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On Mon, Apr 29, 2019 at 11:38 AM Kelly Cinelli <[kcinelli@lan-tel.com](mailto:kcinelli@lan-tel.com)> wrote:

Hi Sarah – Attached is LAN-TEL's quote for BriefCam Maintenance and Licenses. If you have any questions, please let me know.

Kelly



Kelly Cinelli

**Marketing Manager**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062

T 781-680-5907 | M 774-218-6490

[Kcinelli@lan-tel.com](mailto:kcinelli@lan-tel.com) | [www.lan-tel.com](http://www.lan-tel.com)

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**Sarah Plowman**

Regional Planner

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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**From:** Kelly Cinelli <[kcinelli@lan-tel.com](mailto:kcinelli@lan-tel.com)>  
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**Sent:** Monday, April 29, 2019 2:52 PM  
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**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

**Subject:** Re: Statement of Work for MBHSR BriefCam Maintenance and Additional Licenses

Got it. Okay, well I will pull together the contract documents and send them over to you within the next few days. Thank you!

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Tuesday, April 30, 2019 2:45 PM EDT  
**To:** Sarah Plowman <Sarah.Plowman@Boston.gov>>  
**CC:** Peter Baker <Peter Baker <PBaker@LAN-TEL.com>>; Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Jason Brennan <Jason Brennan <JBrennan@LAN-TEL.com>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>  
**Subject:** Fwd: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "Tripp Lite Order Planning.xlsx", "smime.p7s"

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>  
**Organization:** Interisle Consulting Group, LLC  
**To:** Sarah Plowman <Sarah.Plowman@Boston.gov>, Michele Bilodeau <Michele.Bilodeau@Boston.gov>  
**CC:** Scott Wilder <SWilder@BrooklineMA.gov>, Fred Goldstein <Fred@Interisle.net>, Colin Strutt <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

--

---

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:** Wednesday, May 01, 2019 10:50 AM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** CIMS contract 46018 renewal  
**Attachment(s):** "standard\_contract\_amend\_cm12 46018.pdf", "certificate\_of\_authority\_form\_cm-06 46018.pdf", "FAC64Request\_for\_Response\_Rev3\_1.pdf"

Hello Kate,

As we discussed, I've attached the CM12 and CM06 forms for you here so that we can get the ball rolling on the CIMS contract renewal. I've also attached a copy of the FAC64 RFR which is referenced in the CM12. The RFR has a section that allows us to amend this contract past the FAC64 expiration date since we initiated the original contract within FAC64's active period.

**Please return the hard copy, blue ink, wet signature forms to me at:**

**City of Boston  
Office of Emergency Management  
Boston City Hall, Room 204  
Boston MA 02201  
Attn: Sarah Plowman**

Thanks very much,  
Sarah

--

**Sarah Plowman**  
Regional Planner  
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:** Kate Waldron <kwaldron@lan-tel.com>  
**Sent:** Wednesday, May 01, 2019 11:43 AM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>  
**Subject:** RE: CIMS contract 46018 renewal

Great. Thanks very much Sarah. I'll get these back to you in the next couple of days.

Kate

---

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Wednesday, May 01, 2019 10:51 AM  
**To:** Kate Waldron <kwaldron@lan-tel.com>  
**Cc:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Subject:** CIMS contract 46018 renewal

Hello Kate,

As we discussed, I've attached the CM12 and CM06 forms for you here so that we can get the ball rolling on the CIMS contract renewal. I've also attached a copy of the FAC64 RFR which is referenced in the CM12. The RFR has a section that allows us to amend this contract past the FAC64 expiration date since we initiated the original contract within FAC64's active period.

**Please return the hard copy, blue ink, wet signature forms to me at:**

**City of Boston  
Office of Emergency Management  
Boston City Hall, Room 204  
Boston MA 02201  
Attn: Sarah Plowman**

Thanks very much,  
Sarah

--

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

**Sent:** Wednesday, May 01, 2019 2:32 PM EDT

**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

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

**Subject:** BriefCam Contract Documents (time-sensitive)

**Attachment(s):** "CM10-11-Supplemental C48309.pdf","certificate\_of\_authority\_form\_cm-06 C48309.pdf","contractor\_certification\_form\_cm-09 C48309.pdf","cori\_compliance\_standards\_final\_-\_form\_cm-15b\_june\_2014.pdf","cori\_compliance\_certification\_final\_form\_cm-15a.pdf","cori\_compliance\_waiver\_final\_form\_cm-15c.pdf","wage\_theft\_prevent\_form\_cm-16.pdf","lw-8\_fy\_2020.pdf","lw-2\_fy\_2020.pdf","FAC64Request\_for\_Response\_Rev3\_1.pdf"

Hello Kate,

Thank you for your submission of a quote for the BriefCam software maintenance, support, upgrade, and training, as well as procurement of additional licenses. We are pleased to award LAN-TEL the contract.

I've attached the necessary forms below, which include:

- CM10/11 (and IT supplemental CM11)
- CM06
- CM09
- CM15 A/B or C
- CM16
- LW2
- LW8
- FAC64 RFR (for reference only) which allows us to enter into this contract even though it is soon expiring (see section 1.7) so long as we execute this contract prior to its expiration of May 31, 2019. *Therefore, please return all forms at your earliest convenience so that we can ensure timely processing!*

**Please return the hard copy, blue ink, wet signature forms to me as soon as possible at:**

**City of Boston**

**Office of Emergency Management**

**Boston City Hall, Room 204**

**Boston MA 02201**

**Attn: Sarah Plowman**

Please let me know if you have any questions.

Thanks so much,

Sarah

--

**Sarah Plowman**

Regional Planner

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:** Kate Waldron <kwaldron@lan-tel.com>  
**Sent:** Wednesday, May 01, 2019 3:02 PM EDT  
**To:** Sarah Plowman <Sarah.Plowman@boston.gov>  
**CC:** Eric Johnson <Eric.Johnson@Lan-Tel.com>  
**Subject:** RE: BriefCam Contract Documents (time-sensitive)

Hi Sarah,

Received. We'll get this out to you by the end of the week as well.

Thanks,

Kate and Eric

---

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Wednesday, May 01, 2019 2:32 PM  
**To:** Kate Waldron <kwaldron@lan-tel.com>  
**Cc:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Subject:** BriefCam Contract Documents (time-sensitive)

Hello Kate,

Thank you for your submission of a quote for the BriefCam software maintenance, support, upgrade, and training, as well as procurement of additional licenses. We are pleased to award LAN-TEL the contract.

I've attached the necessary forms below, which include:

- CM10/11 (and IT supplemental CM11)
- CM06
- CM09
- CM15 A/B or C
- CM16
- LW2
- LW8
- FAC64 RFR (for reference only) which allows us to enter into this contract even though it is soon expiring (see section 1.7) so long as we execute this contract prior to its expiration of May 31, 2019. *Therefore, please return all forms at your earliest convenience so that we can ensure timely processing!*

**Please return the hard copy, blue ink, wet signature forms to me as soon as possible at:**

**City of Boston**  
**Office of Emergency Management**  
**Boston City Hall, Room 204**  
**Boston MA 02201**  
**Attn: Sarah Plowman**

Please let me know if you have any questions.  
Thanks so much,  
Sarah

--

**Sarah Plowman**  
Regional Planner  
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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**From:** Ronald Cayabyab <RCayabyab@shotspotter.com>

**Sent:** Wednesday, May 01, 2019 4:19 PM EDT

**To:** kpitts@cambridge911.org; smaywalt@cambridgepolice.org; rgriffin@chelseama.gov; jcowhig@chelseama.gov; TDunn@chelseama.gov; jeffrey.gilmore@cityofeverett.org; allen.peluso@cityofeverett.org; sford@reverepolice.org; dc@reverepolice.org; kbruker@reverepolice.org; mcabral@police.somerville.ma.us; mkiely@police.somerville.ma.us; rlavey@police.somerville.ma.us; mcarroll@police.somerville.ma.us; bcotter@police.somerville.ma.us; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Jason Smith <Jason Smith <jsmith@shotspotter.com>>; Support <Support <Support@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>  
**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

We have changed the system migration date to accommodate the DVTEL migrations to our new AWS platform. The DVTEL integration project will need to take place prior to or on the day of the system migration. The new date is **May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame. Additional information can be found in the thread below.

Thanks,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

rcayabyab@shotspotter.com

---

**From:** Ronald Cayabyab

**Sent:** Thursday, April 18, 2019 11:01 AM

**To:** 'kpitts@cambridge911.org' <kpitts@cambridge911.org>; 'smaywalt@cambridgepolice.org' <smaywalt@cambridgepolice.org>; 'rgriffin@chelseama.gov' <rgriffin@chelseama.gov>; 'jcowhig@chelseama.gov' <jcowhig@chelseama.gov>; 'TDunn@chelseama.gov' <TDunn@chelseama.gov>; 'jeffrey.gilmore@cityofeverett.org' <jeffrey.gilmore@cityofeverett.org>; 'allen.peluso@cityofeverett.org' <allen.peluso@cityofeverett.org>; 'sford@reverepolice.org' <sford@reverepolice.org>; 'dc@reverepolice.org' <dc@reverepolice.org>; 'kbruker@reverepolice.org' <kbruker@reverepolice.org>; 'mcabral@police.somerville.ma.us' <mcabral@police.somerville.ma.us>; 'mkiely@police.somerville.ma.us' <mkiely@police.somerville.ma.us>; 'rlavey@police.somerville.ma.us' <rlavey@police.somerville.ma.us>; 'mcarroll@police.somerville.ma.us' <mcarroll@police.somerville.ma.us>; 'mcabral@police.somerville.ma.us' <mcabral@police.somerville.ma.us>; 'bcotter@police.somerville.ma.us' <bcotter@police.somerville.ma.us>; Brenda Jones <brenda.jones@boston.gov>; Sarah Plowman <sarah.plowman@boston.gov>

**Cc:** Jason Smith <jsmith@shotspotter.com>; Support (Support@shotspotter.com) <Support@shotspotter.com>

**Subject:** ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

We will be migrating your ShotSpotter system to a datacenter with newer equipment, higher security and higher performance on May 14, 2019 between 6AM PDT to 12PM PDT. You should experience a brief service outage within this time frame.

Additionally, the Investigator Portal will be the ONLY application effected after the migration has completed. You will need to uninstall your current Investigator Portal application and download the latest version at <https://us19.shotspotter.net/download> using Internet Explorer (Silverlight compatible). You should use the new Investigator Portal after the migration has been completed. All other ShotSpotter applications such as ShotSpotter Dispatch and ShotSpotter Respond will not be effected.

Please let me know if you have any questions or issues with the maintenance window.

Best regards,



**Ron Cayabyab**

**Technical Support Engineer IV**

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

**Corporate Headquarters**

7979 Gateway Boulevard

Newark, CA 94560

The Fight to Stop Gun Violence Starts with ShotSpotter



[ ref:\_00D60Jm9t\_5000d1QlmV0:ref ]

**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Friday, May 03, 2019 10:03 PM EDT  
**To:** Shawn Romanoski <Shawn.Romanoski@PD.Boston.gov>; John Surette <John.Surette@PD.Boston.gov>  
**CC:** Scott Wilder <Scott.Wilder@BrooklineMA.gov>; Sarah Plowman <Sarah.Plowman@Boston.gov>; Eric Johnson <Eric.Johnson@LAN-TEL.com>; Fred Goldstein <Fred.Goldstein@Interisle.net>; Colin Strutt <Colin.Strutt@Interisle.net>  
**Subject:** PSnet: FCC Coordination for new licensed links  
**Attachment(s):** "smime.p7s"

Shawn, John,

PSnet needs to begin FCC coordination for two new microwave licenses, plus coordination for moving one existing license. We will also be retiring some existing FCC licenses. Fred Goldstein will be the lead on these coordination efforts, and will work closely with the LAN-TEL team on actual deployment. We have all technical details on current licenses and associate radios.

An important driver for the additional two new links is the need to decommission the JFK Federal building as a PSnet backbone microwave site. This used to be one of the two major backbone microwave sites, with Soldiers' Home being the other major site. Originally, there were five backbone links that converged on JFK: (1) 35 Northampton, (2) Somerville PD, (3) Whidden Hospital, (4) Broadway Tower in Revere, and (5) Winthrop PD. However, the Broadway Tower and Winthrop PD links have failed (at JFK end), and the Somerville PD link suffers from wobble during high winds. All five radio mounts are in poor condition as well. JFK is not on PSnet fiber, and there are severe OSHA and security hurdles that make it difficult to work at this site, or to conduct emergency repairs.

There is, however, the vital question as to whether we will be able to deploy PSnet microwave links from the 1 Ashburton Place site, which is an ideal replacement for the JFK site. Note that PSnet design practices strongly favor deploying backbone microwave links only to buildings that are served by dark fiber available for PSnet use. The 1 Ashburton site is very well-connected by fiber, but in addition it occupies a very strategic location for deploying regional microwave links. Given the uncertainty about 1 Ashburton, though, we do have a Plan B for both new licensed links. Below we review the details and justifications for these new links.

---

## Soldiers' Home to Boston

This will be an 18 GHz microwave link utilizing REMEC (a.k.a., BridgeWave) Navigator radios with 2 foot (60 cm) parabolic reflector antennas.

- First Site: Quigley Memorial Hospital, Soldiers' Home, Crest Ave, Chelsea
- Second Site:
  - Preferred: John W. McCormack State Office Building, 1 Ashburton Place, Boston
  - Alternative: Avalon North Point, 1 Leighton, Cambridge

Both microwave paths from Soldiers' Home are clear line-of-sight with no physical interference now, or in the foreseeable future.

The need for this link was flagged over a decade ago, and this remains a highly desirable addition to the PSnet backbone. The Soldiers' Home site acts as a hub for microwave links into Chelsea, Everett, Revere, and Winthrop. Furthermore, the loss of two links from JFK to Winthrop PD and Broadway Tower (Revere) have significantly degraded resilience for public safety sites and camera installations that rely on Soldiers' Home.

The Quigley Memorial Hospital building, which is the current microwave site at Soldiers' Home, is scheduled to be replaced with a new building that will be constructed in the adjacent park, and eventually Quigley will be torn down. Current plans are to move the backbone and camera backhaul microwave links from the current building to the new building once construction is complete. It is also hoped that fiber will be run into the new building, though the current plan does not specify diverse fiber paths. Obviously, re-coordination will be necessary when licensed microwave radios are moved to the new building, with any change in elevation being the most critical factor for coordination.

Both the 1 Ashburton Place and Avalon North Point sites are on fiber. 1 Ashburton is on Loop A fiber owned by the Commonwealth and the Cities of Boston and Cambridge, and Boston also has Comcast fiber to 1 Ashburton. This is ideal from a fiber topology perspective. The Avalon site is on City of Cambridge fiber with direct paths to the Healy Public Safety Facility at 125 6th Street and to Cambridge Fire Headquarters at 489 Broadway. There is partial path diversity for the fiber to Avalon.

---

## 35 Northampton to Downtown Boston

This will be a 23 GHz microwave link utilizing REMEC (a.k.a., BridgeWave) Navigator radios with 2 foot (60 cm) parabolic reflector antennas.

- First Site: 35 Northampton Street, Boston
- Second Site:
  - Preferred: John W. McCormack State Office Building, 1 Ashburton Place, Boston
  - Alternative: Longfellow Towers at Charles River Park

Both microwave paths from 35 Northampton are clear line-of-sight with no physical interference now, and any new construction that might interfere appears unlikely. The current licensed 23 GHz link to JFK is a more challenging shot than to either 1 Ashburton or Longfellow.

The 35 Northampton site is another strategic platform for microwave backbone and camera backhaul links. There is fiber to this site with some path diversity. Originally, there were four backbone microwave links to 35 Northampton: (1) JFK Federal Building, (2) Quincy High School, (3) Walnut Park (Egleston Tower), (4) Schroeder Plaza. Of these four links, the Schroeder Plaza link failed a couple of years ago, and the Walnut Park link is marginal with only camera traffic over this link today. There are also important unlicensed camera backhaul links to Longfellow Towers, Mather School, and Pasciucco Apartments.

Assuming we can shoot to 1 Ashburton, then this effectively replaces the current microwave link to JFK. Unfortunately, the Longfellow Towers do not have fiber available for PSnet use, and this seems unlikely in the near future, since these are commercial apartment buildings. Consequently, short microwave links from Longfellow to other buildings, such as Avalon in Cambridge would need to be added.

Of course, a licensed link from 35 Northampton to Longfellow would obsolete the current Orthogon 5 GHz link. The Orthogon is very old, and is approaching its useful end of life. This link will need to be replaced one way or another. If PSnet can utilize 1 Ashburton as a microwave site, then it would be trivial to connect the Longfellow Towers to 1 Ashburton. A link to Avalon is also feasible, and given the vital role that Longfellow plays for camera backhaul, short microwave links to both 1 Ashburton and Avalon would be strongly recommended.

---

## 35 Northampton to Quincy

PSnet is proposing to move an existing 11 GHz microwave radio that shoots to 35 Northampton from Quincy High School to North Quincy High School. This will require new coordination and a new 11 GHz license for the N Quincy HS site.

The existing 11 GHz link between 35 Northampton and Quincy High School on Coddington Street has performance issues due to physical interference from trees and buildings at the Quincy end. The recommended approach to resolving this problem is to move the radio to North Quincy High School, where there is an unobstructed path to 35 Northampton.

North Quincy High School is on City of Quincy fiber, and also terminates a 48-strand fiber run from the Area C-11 Police Station in Boston. It has excellent line-of-sight to many points in Quincy, Boston, the Harbor, and even into Milton. New fiber was recently run to the roof and the network equipment on the roof has been upgraded with redundant UPSs for power management. PSnet has network switches on the roof and also in the MDF on the first floor where the fiber terminates. BoNet also has a switch in the MDF.

There is also an 11 GHz microwave link from Quincy High School (Coddington St) to the Winthrop Water Tower that goes across Boston Harbor. This link has always performed well, and is a vital link in the PSnet backbone today. With both Quincy HS and the Water Tower on fiber, this link is even more strategically relevant.

With these changes, Quincy will still have two backbone microwave links into PSnet, plus we gain site diversity for Quincy and the Region. This will enhance overall resilience of the PSnet backbone, while upgrading North Quincy HS to become a major new backbone site that is well connected by fiber and microwave.

---

Fred will follow up with you on licensing issues. Feel free to reach out to either of us for further information or clarification on any specifics. We have the full technical documentation on the new radios, as well as records of all current licenses and details for associated microwave equipment.

Thank you for your assistance on these matters...

...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:** Thursday, May 09, 2019 11:57 AM EDT

**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Kelly Cinelli <Kelly Cinelli <kcinelli@lan-tel.com>>

**Subject:** Requesting quote through MA State Contract FAC64 for Mobile Command Response Vehicle

**Attachment(s):** "Request for Quotes for Mobile Command Response Vehicle.pdf"

Hello Eric, Kate, and Kelly,

I'm emailing to ask for a quote from you, under MA State Contract FAC64, that includes a per-event rate for services to use a mobile command response vehicle. Please see attached statement of work document for more detail. Please email me the quote by May 13.

If you have any questions, please let me know.

Thank you,  
Sarah Plowman

--

**Sarah Plowman**

Regional Planner

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:** Thursday, May 09, 2019 6:21 PM EDT

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

**CC:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Kelly Cinelli <KcKinelli@lan-tel.com>>

**Subject:** Re: Requesting quote through MA State Contract FAC64 for Mobile Command Response Vehicle

Sarah

Thanks for the information and opportunity to bid this contract

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 May 9, 2019, at 11:58 AM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hello Eric, Kate, and Kelly,

I'm emailing to ask for a quote from you, under MA State Contract FAC64, that includes a per-event rate for services to use a mobile command response vehicle. Please see attached statement of work document for more detail. Please email me the quote by May 13.

If you have any questions, please let me know.

Thank you,  
Sarah Plowman

--

**Sarah Plowman**

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

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**From:** Kelly Cinelli <kcinelli@lan-tel.com>

**Sent:** Friday, May 10, 2019 6:55 AM EDT

**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

**Subject:** RE: Requesting quote through MA State Contract FAC64 for Mobile Command Response Vehicle

Thank you Sarah.

Kelly

---

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

**Sent:** Thursday, May 9, 2019 11:58 AM

**To:** Eric Johnson <ejohnson@Lan-Tel.com>; Kate Waldron <kwaldron@lan-tel.com>; Kelly Cinelli <kcinelli@lan-tel.com>

**Subject:** Requesting quote through MA State Contract FAC64 for Mobile Command Response Vehicle

Hello Eric, Kate, and Kelly,

I'm emailing to ask for a quote from you, under MA State Contract FAC64, that includes a per-event rate for services to use a mobile command response vehicle. Please see attached statement of work document for more detail. Please email me the quote by May 13.

If you have any questions, please let me know.

Thank you,  
Sarah Plowman

--

**Sarah Plowman**

Regional Planner

Mayor's Office of Emergency Management

Boston City Hall, Room 204

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Phone: 617.635.1400

Fax: 617.635.2974

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Sunday, May 12, 2019 4:02 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; John Surette <John Surette <John.Surette@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: FCC Coordination for new licensed links  
**Attachment(s):** "smime.p7s"

Sarah,

For the record, all of the sites referenced in this memo have existing microwave installations. I understand that EHP forms were required for Millers River (15 Lambert, Cambridge) and Avalon North Point (1 Leighton, Cambridge), since those sites had not previously been used for MBHSR microwave deployments. I am not sure I understand why EHPs would be required for the sites included in my list, since they have been used by the region as microwave sites for a long time.

We can certainly provide photographs, and we probably already have photos that may suffice for the EHP purpose. However, the most immediate issue to resolve is whether we will be able to utilize 1 Ashburton for the two new links. This is already a major microwave site for the Commonwealth. Soldiers' Home and 35 Northampton are also major microwave sites with a lot of microwave radios, both licensed and unlicensed, on each building. Of course, when the new hospital is complete at Soldiers' Home, then an EHP will likely need to be filed before we move the existing microwave links to that building prior to the demolition of the current Quigley Hospital building.

...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 5/6/19 9:42 AM, Sarah Plowman wrote:

Thanks for the email. In addition to licensing, we also will need to submit an EHP form. When CIS put in the new microwave radio backhaul project last summer we submitted an EHP for those sites, and we also submitted one prior to the launch of the Cambridge Courthouse bid. Because these are new microwaves, and/or new locations, this is a required step. I can begin working on the form this week; I will, however, need photos from you all that would indicate where exactly the equipment would be installed (both exact spots on the rooftops as well as cabinets indoors). I'll also need some other information about the buildings themselves, for example: year constructed, year remodel(s) - if any - took place, height of the building now, height of the building after installing the equipment, etc. This form will need to be approved by FEMA prior to any installation.

Thanks!  
Sarah

On Fri, May 3, 2019 at 10:03 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:  
Shawn, John,

PSnet needs to begin FCC coordination for two new microwave licenses, plus coordination for moving one existing license. We will also be retiring some existing FCC licenses. Fred Goldstein will be the lead on these coordination efforts, and will work closely with the LAN-TEL team on actual deployment. We have all technical details on current licenses and associate radios.

An important driver for the additional two new links is the need to decommission the JFK Federal building as a PSnet backbone microwave site. This used to be one of the two major backbone microwave sites, with Soldiers' Home being the other major site. Originally, there were five backbone links that converged on JFK: (1) 35 Northampton, (2) Somerville PD, (3) Whidden Hospital, (4) Broadway Tower in Revere, and (5) Winthrop PD. However, the Broadway Tower and Winthrop PD links have failed (at JFK end), and the Somerville PD link suffers from wobble during high winds. All five radio mounts are in poor condition as well. JFK is not on PSnet fiber, and there are severe OSHA and security hurdles that make it difficult to work at this site, or to conduct emergency repairs.

There is, however, the vital question as to whether we will be able to deploy PSnet microwave links from the 1 Ashburton Place site, which is an ideal replacement for the JFK site. Note that PSnet design practices strongly favor deploying backbone microwave links only to buildings that are served by dark fiber available for PSnet use. The 1 Ashburton site is very well-connected by fiber, but in addition it occupies a very strategic location for deploying regional microwave links. Given the uncertainty about 1 Ashburton, though, we do have a Plan B



for both new licensed links. Below we review the details and justifications for these new links.

---

## Soldiers' Home to Boston

This will be an 18 GHz microwave link utilizing REMEC (a.k.a., BridgeWave) Navigator radios with 2 foot (60 cm) parabolic reflector antennas.

- First Site: Quigley Memorial Hospital, Soldiers' Home, Crest Ave, Chelsea
- Second Site:
  - Preferred: John W. McCormack State Office Building, 1 Ashburton Place, Boston
  - Alternative: Avalon North Point, 1 Leighton, Cambridge

Both microwave paths from Soldiers' Home are clear line-of-sight with no physical interference now, or in the foreseeable future.

The need for this link was flagged over a decade ago, and this remains a highly desirable addition to the PSnet backbone. The Soldiers' Home site acts as a hub for microwave links into Chelsea, Everett, Revere, and Winthrop. Furthermore, the loss of two links from JFK to Winthrop PD and Broadway Tower (Revere) have significantly degraded resilience for public safety sites and camera installations that rely on Soldiers' Home.

The Quigley Memorial Hospital building, which is the current microwave site at Soldiers' Home, is scheduled to be replaced with a new building that will be constructed in the adjacent park, and eventually Quigley will be torn down. Current plans are to move the backbone and camera backhaul microwave links from the current building to the new building once construction is complete. It is also hoped that fiber will be run into the new building, though the current plan does not specify diverse fiber paths. Obviously, re-coordination will be necessary when licensed microwave radios are moved to the new building, with any change in elevation being the most critical factor for coordination.

Both the 1 Ashburton Place and Avalon North Point sites are on fiber. 1 Ashburton is on Loop A fiber owned by the Commonwealth and the Cities of Boston and Cambridge, and Boston also has Comcast fiber to 1 Ashburton. This is ideal from a fiber topology perspective. The Avalon site is on City of Cambridge fiber with direct paths to the Healy Public Safety Facility at 125 6th Street and to Cambridge Fire Headquarters at 489 Broadway. There is partial path diversity for the fiber to Avalon.

---

## 35 Northampton to Downtown Boston

This will be a 23 GHz microwave link utilizing REMEC (a.k.a., BridgeWave) Navigator radios with 2 foot (60 cm) parabolic reflector antennas.

- First Site: 35 Northampton Street, Boston
- Second Site:
  - Preferred: John W. McCormack State Office Building, 1 Ashburton Place, Boston
  - Alternative: Longfellow Towers at Charles River Park

Both microwave paths from 35 Northampton are clear line-of-sight with no physical interference now, and any new construction that might interfere appears unlikely. The current licensed 23 GHz link to JFK is a more challenging shot than to either 1 Ashburton or Longfellow.

The 35 Northampton site is another strategic platform for microwave backbone and camera backhaul links. There is fiber to this site with some path diversity. Originally, there were four backbone microwave links to 35 Northampton: (1) JFK Federal Building, (2) Quincy High School, (3) Walnut Park (Egleston Tower), (4) Schroeder Plaza. Of these four links, the Schroeder Plaza link failed a couple of years ago, and the Walnut Park link is marginal with only camera traffic over this link today. There are also important unlicensed camera backhaul links to Longfellow Towers, Mather School, and Pasciucco Apartments.

Assuming we can shoot to 1 Ashburton, then this effectively replaces the current microwave link to JFK. Unfortunately, the Longfellow Towers do not have fiber available for PSnet use, and this seems unlikely in the near future, since these are commercial apartment buildings. Consequently, short microwave links from Longfellow to other buildings, such as Avalon in Cambridge would need to be added.

Of course, a licensed link from 35 Northampton to Longfellow would obsolete the current Orthogon 5 GHz link. The Orthogon is very old, and is approaching its useful end of life. This link will need to be replaced one way or another. If PSnet can utilize 1 Ashburton as a microwave site, then it would be trivial to connect the Longfellow Towers to 1 Ashburton. A link to Avalon is also feasible, and given the vital role that Longfellow plays for camera backhaul, short microwave links to both 1 Ashburton and Avalon would be strongly recommended.

---

## 35 Northampton to Quincy

PSnet is proposing to move an existing 11 GHz microwave radio that shoots to 35 Northampton from Quincy High School to North Quincy High School. This will require new coordination and a new 11 GHz license for the N Quincy HS site.

The existing 11 GHz link between 35 Northampton and Quincy High School on Coddington Street has performance issues due to physical interference from trees and buildings at the Quincy end. The recommended approach to resolving this problem is to move the radio to North Quincy High School, where there is an unobstructed path to 35 Northampton.

North Quincy High School is on City of Quincy fiber, and also terminates a 48-strand fiber run from the Area C-11 Police Station in Boston. It has excellent line-of-sight to many points in Quincy, Boston, the Harbor, and even into Milton. New fiber was recently run to the roof and the network equipment on the roof has been upgraded with redundant UPSs for power management. PSnet has network switches on the roof and also in the MDF on the first floor where the fiber terminates. BoNet also has a switch in the MDF.

There is also an 11 GHz microwave link from Quincy High School (Coddington St) to the Winthrop Water Tower that goes across Boston Harbor. This link has always performed well, and is a vital link in the PSnet backbone today. With both Quincy HS and the Water Tower on fiber, this link is even more strategically relevant.

With these changes, Quincy will still have two backbone microwave links into PSnet, plus we gain site diversity for Quincy and the Region. This will enhance overall resilience of the PSnet backbone, while upgrading North Quincy HS to become a major new backbone site that is well connected by fiber and microwave.

---

Fred will follow up with you on licensing issues. Feel free to reach out to either of us for further information or clarification on any specifics. We have the full technical documentation on the new radios, as well as records of all current licenses and details for associated microwave equipment.

Thank you for your assistance on these matters...

...Chuck

--

---

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

--

### **Sarah Plowman**

Regional Planner  
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:** Kelly Cinelli <kcinelli@lan-tel.com>  
**Sent:** Monday, May 13, 2019 9:32 AM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>  
**Subject:** RE: Requesting quote through MA State Contract FAC64 for Mobile Command Response Vehicle  
**Attachment(s):** "MACUnew.pdf"

Hi Sarah – I hope you had a great weekend.

Please find attached our quote for the Mobile Command Response Vehicle. If you have any questions, please feel free to reach out to me.

Kelly

---

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Thursday, May 9, 2019 11:58 AM  
**To:** Eric Johnson <ejohnson@Lan-Tel.com>; Kate Waldron <kwaldron@lan-tel.com>; Kelly Cinelli <kcinelli@lan-tel.com>  
**Subject:** Requesting quote through MA State Contract FAC64 for Mobile Command Response Vehicle

Hello Eric, Kate, and Kelly,

I'm emailing to ask for a quote from you, under MA State Contract FAC64, that includes a per-event rate for services to use a mobile command response vehicle. Please see attached statement of work document for more detail. Please email me the quote by May 13.

If you have any questions, please let me know.

Thank you,  
Sarah Plowman

--

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

One City Hall Square | Boston, MA 02201  
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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Monday, May 13, 2019 1:26 PM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: BriefCam Contract Documents (time-sensitive)

Hi Kate,

Just following up on this because I haven't yet seen the contract documents. Can you confirm they were sent? These need to be fully signed and executed by May 31 in order to be valid, and I usually need at least two weeks to route the internal signatures.

Thanks,  
Sarah

On Wed, May 1, 2019 at 3:02 PM Kate Waldron <[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com)> wrote:

Hi Sarah,

Received. We'll get this out to you by the end of the week as well.

Thanks,

Kate and Eric

---

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I've attached the necessary forms below, which include:

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- LW8
- FAC64 RFR (for reference only) which allows us to enter into this contract even though it is soon expiring (see section 1.7) so long as we execute this contract prior to its expiration of May 31, 2019. *Therefore, please return all forms at your earliest convenience so that we can ensure timely processing!*

**Please return the hard copy, blue ink, wet signature forms to me as soon as possible at:**

**City of Boston**

**Office of Emergency Management**

**Boston City Hall, Room 204**

**Boston MA 02201**

**Attn: Sarah Plowman**

Please let me know if you have any questions.

Thanks so much,

Sarah

--

**Sarah Plowman**

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---

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Thanks so much,

Sarah

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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Monday, May 13, 2019 2:05 PM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
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I haven't received them. It was regular USPS mail? Do you have any kind of tracking number?

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**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: BriefCam Contract Documents (time-sensitive)

You can try again with tracking/overnight, or maybe Eric could deliver them to my office? Either way is fine. Or maybe they'll finally arrive today or tomorrow?

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Fax: 617.635.2974

--

**Sarah Plowman**

Regional Planner  
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:** Monday, May 13, 2019 2:49 PM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: BriefCam Contract Documents (time-sensitive)

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Kate and Eric

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**City of Boston**

**Office of Emergency Management**

**Boston City Hall, Room 204**

**Boston MA 02201**

**Attn: Sarah Plowman**

Please let me know if you have any questions.

Thanks so much,

Sarah

--

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**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

**Subject:** MACU Contract Documents (time-sensitive)

**Attachment(s):** "CM10-11-Supplemental C48405.pdf","certificate\_of\_authority\_form\_cm-06.pdf","contractor\_certification\_form\_cm-09.pdf","cori\_compliance\_standards\_final\_-\_form\_cm-15b\_june\_2014.pdf","lw-8\_fy\_2020.pdf","cori\_compliance\_certification\_final\_form\_cm-15a.pdf","lw-2\_fy\_2020.pdf","cori\_compliance\_waiver\_final\_form\_cm-15c.pdf","wage\_theft\_prevent\_form\_cm-16.pdf","FAC64Request\_for\_Response\_Rev3\_1.pdf"

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**Boston MA 02201**

**Attn: Sarah Plowman**

(You are welcome to drop them off in person if that's faster; otherwise I recommend some kind of tracking on the shipping/mailing).

Please let me know if you have any questions.

Thanks so much,

Sarah

--

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**Subject:** Re: BriefCam Contract Documents (time-sensitive)

We sent it US Mail. I am not in the office today. If you don't receive it by tomorrow I will overnight a new package.

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---

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Sarah

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**Sarah Plowman**

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Will do.

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---

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

**Sent:** Monday, May 13, 2019 4:04 PM EDT

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

**CC:** Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; John Surette <John Surette <John.Surette@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: FCC Coordination for new licensed links

Existing sites are fine; they don't need an EHP, provided they are swapping out an existing microwave for a new one. If they are adding an additional microwave but not taking an old one away, then we need to do it. The exception is when the equipment doesn't permanently attach - if the microwave is on a sled, for instance, then it is not required.

So, just to confirm: we already have a presence at the following sites AND either new microwaves would replace existing ones in their current locations OR a sled would be utilized?

- 1 Ashburton
- N. Quincy High School
- 1 Leighton
- Longfellow Towers

On Sun, May 12, 2019 at 4:02 PM Chuck Wade <Chuck@interisle.net> wrote:

Sarah,

For the record, all of the sites referenced in this memo have existing microwave installations. I understand that EHP forms were required for Millers River (15 Lambert, Cambridge) and Avalon North Point (1 Leighton, Cambridge), since those sites had not previously been used for MBHSR microwave deployments. I am not sure I understand why EHPs would be required for the sites included in my list, since they have been used by the region as microwave sites for a long time.

We can certainly provide photographs, and we probably already have photos that may suffice for the EHP purpose. However, the most immediate issue to resolve is whether we will be able to utilize 1 Ashburton for the two new links. This is already a major microwave site for the Commonwealth. Soldiers' Home and 35 Northampton are also major microwave sites with a lot of microwave radios, both licensed and unlicensed, on each building. Of course, when the new hospital is complete at Soldiers' Home, then an EHP will likely need to be filed before we move the existing microwave links to that building prior to the demolition of the current Quigley Hospital building.

...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 5/6/19 9:42 AM, Sarah Plowman wrote:

Thanks for the email. In addition to licensing, we also will need to submit an EHP form. When CIS put in the new microwave radio backhaul project last summer we submitted an EHP for those sites, and we also submitted one prior to the launch of the Cambridge Courthouse bid. Because these are new microwaves, and/or new locations, this is a required step. I can begin working on the form this week; I will, however, need photos from you all that would indicate where exactly the equipment would be installed (both exact spots on the rooftops as well as cabinets indoors). I'll also need some other information about the buildings themselves, for example: year constructed, year remodel(s) - if any - took place, height of the building now, height of the building after installing the equipment, etc. This form will need to be approved by FEMA prior to any installation.

Thanks!  
Sarah

On Fri, May 3, 2019 at 10:03 PM Chuck Wade <Chuck@interisle.net> wrote:

Shawn, John,

PSnet needs to begin FCC coordination for two new microwave licenses, plus coordination for moving one existing license. We will also be retiring some existing FCC licenses. Fred Goldstein will be the lead on these coordination efforts, and will work closely with the LAN-TEL team on actual deployment. We have all technical details on current licenses and associate radios.

An important driver for the additional two new links is the need to decommission the JFK Federal building as

a PSnet backbone microwave site. This used to be one of the two major backbone microwave sites, with Soldiers' Home being the other major site. Originally, there were five backbone links that converged on JFK: (1) 35 Northampton, (2) Somerville PD, (3) Whidden Hospital, (4) Broadway Tower in Revere, and (5) Winthrop PD. However, the Broadway Tower and Winthrop PD links have failed (at JFK end), and the Somerville PD link suffers from wobble during high winds. All five radio mounts are in poor condition as well. JFK is not on PSnet fiber, and there are severe OSHA and security hurdles that make it difficult to work at this site, or to conduct emergency repairs.

There is, however, the vital question as to whether we will be able to deploy PSnet microwave links from the 1 Ashburton Place site, which is an ideal replacement for the JFK site. Note that PSnet design practices strongly favor deploying backbone microwave links only to buildings that are served by dark fiber available for PSnet use. The 1 Ashburton site is very well-connected by fiber, but in addition it occupies a very strategic location for deploying regional microwave links. Given the uncertainty about 1 Ashburton, though, we do have a Plan B for both new licensed links. Below we review the details and justifications for these new links.

---

## Soldiers' Home to Boston

This will be an 18 GHz microwave link utilizing REMEC (a.k.a., BridgeWave) Navigator radios with 2 foot (60 cm) parabolic reflector antennas.

- First Site: Quigley Memorial Hospital, Soldiers' Home, Crest Ave, Chelsea
- Second Site:
  - Preferred: John W. McCormack State Office Building, 1 Ashburton Place, Boston
  - Alternative: Avalon North Point, 1 Leighton, Cambridge

Both microwave paths from Soldiers' Home are clear line-of-sight with no physical interference now, or in the foreseeable future.

The need for this link was flagged over a decade ago, and this remains a highly desirable addition to the PSnet backbone. The Soldiers' Home site acts as a hub for microwave links into Chelsea, Everett, Revere, and Winthrop. Furthermore, the loss of two links from JFK to Winthrop PD and Broadway Tower (Revere) have significantly degraded resilience for public safety sites and camera installations that rely on Soldiers' Home.

The Quigley Memorial Hospital building, which is the current microwave site at Soldiers' Home, is scheduled to be replaced with a new building that will be constructed in the adjacent park, and eventually Quigley will be torn down. Current plans are to move the backbone and camera backhaul microwave links from the current building to the new building once construction is complete. It is also hoped that fiber will be run into the new building, though the current plan does not specify diverse fiber paths. Obviously, re-coordination will be necessary when licensed microwave radios are moved to the new building, with any change in elevation being the most critical factor for coordination.

Both the 1 Ashburton Place and Avalon North Point sites are on fiber. 1 Ashburton is on Loop A fiber owned by the Commonwealth and the Cities of Boston and Cambridge, and Boston also has Comcast fiber to 1 Ashburton. This is ideal from a fiber topology perspective. The Avalon site is on City of Cambridge fiber with direct paths to the Healy Public Safety Facility at 125 6th Street and to Cambridge Fire Headquarters at 489 Broadway. There is partial path diversity for the fiber to Avalon.

---

## 35 Northampton to Downtown Boston

This will be a 23 GHz microwave link utilizing REMEC (a.k.a., BridgeWave) Navigator radios with 2 foot (60 cm) parabolic reflector antennas.

- First Site: 35 Northampton Street, Boston
- Second Site:
  - Preferred: John W. McCormack State Office Building, 1 Ashburton Place, Boston
  - Alternative: Longfellow Towers at Charles River Park

Both microwave paths from 35 Northampton are clear line-of-sight with no physical interference now, and any new construction that might interfere appears unlikely. The current licensed 23 GHz link to JFK is a more challenging shot than to either 1 Ashburton or Longfellow.

The 35 Northampton site is another strategic platform for microwave backbone and camera backhaul links. There is fiber to this site with some path diversity. Originally, there were four backbone microwave links to 35 Northampton: (1) JFK Federal Building, (2) Quincy High School, (3) Walnut Park (Egleston Tower), (4) Schroeder Plaza. Of these four links, the Schroeder Plaza link failed a couple of years ago, and the Walnut

Park link is marginal with only camera traffic over this link today. There are also important unlicensed camera backhaul links to Longfellow Towers, Mather School, and Pasciucco Apartments.

Assuming we can shoot to 1 Ashburton, then this effectively replaces the current microwave link to JFK. Unfortunately, the Longfellow Towers do not have fiber available for PSnet use, and this seems unlikely in the near future, since these are commercial apartment buildings. Consequently, short microwave links from Longfellow to other buildings, such as Avalon in Cambridge would need to be added.

Of course, a licensed link from 35 Northampton to Longfellow would obsolete the current Orthogon 5 GHz link. The Orthogon is very old, and is approaching its useful end of life. This link will need to be replaced one way or another. If PSnet can utilize 1 Ashburton as a microwave site, then it would be trivial to connect the Longfellow Towers to 1 Ashburton. A link to Avalon is also feasible, and given the vital role that Longfellow plays for camera backhaul, short microwave links to both 1 Ashburton and Avalon would be strongly recommended.

---

## 35 Northampton to Quincy

PSnet is proposing to move an existing 11 GHz microwave radio that shoots to 35 Northampton from Quincy High School to North Quincy High School. This will require new coordination and a new 11 GHz license for the N Quincy HS site.

The existing 11 GHz link between 35 Northampton and Quincy High School on Coddington Street has performance issues due to physical interference from trees and buildings at the Quincy end. The recommended approach to resolving this problem is to move the radio to North Quincy High School, where there is an unobstructed path to 35 Northampton.

North Quincy High School is on City of Quincy fiber, and also terminates a 48-strand fiber run from the Area C-11 Police Station in Boston. It has excellent line-of-sight to many points in Quincy, Boston, the Harbor, and even into Milton. New fiber was recently run to the roof and the network equipment on the roof has been upgraded with redundant UPSs for power management. PSnet has network switches on the roof and also in the MDF on the first floor where the fiber terminates. BoNet also has a switch in the MDF.

There is also an 11 GHz microwave link from Quincy High School (Coddington St) to the Winthrop Water Tower that goes across Boston Harbor. This link has always performed well, and is a vital link in the PSnet backbone today. With both Quincy HS and the Water Tower on fiber, this link is even more strategically relevant.

With these changes, Quincy will still have two backbone microwave links into PSnet, plus we gain site diversity for Quincy and the Region. This will enhance overall resilience of the PSnet backbone, while upgrading North Quincy HS to become a major new backbone site that is well connected by fiber and microwave.

---

Fred will follow up with you on licensing issues. Feel free to reach out to either of us for further information or clarification on any specifics. We have the full technical documentation on the new radios, as well as records of all current licenses and details for associated microwave equipment.

Thank you for your assistance on these matters...

...Chuck

--

---

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

--

**Sarah Plowman**

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Mayor's Office of Emergency Management

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One City Hall Square | Boston, MA 02201

Phone: 617.635.1400  
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One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Monday, May 13, 2019 4:18 PM EDT  
**To:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>  
**CC:** Peter Baker <Peter Baker <PBaker@lan-tel.com>>; Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Jason Brennan <Jason Brennan <JBrennan@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order

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> wrote:

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Sarah,

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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.

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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 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.
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- 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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Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
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**Sarah Plowman**

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Phone: 617.635.1400  
Fax: 617.635.2974

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

**Sent:** Tuesday, May 14, 2019 1:14 PM EDT

**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

**Subject:** Received documents

Hi Kate & Eric,

Just wanted to let you know that I your contract documents were just hand delivered here - thank you very much! I have all three sets (CIMS, BriefCam, and MACU) and I will begin the internal routing process today.

Thank you so much for getting these over promptly, and I'll let you know if there are any follow up questions!

Sarah

--

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**From:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Sent:** Tuesday, May 14, 2019 1:17 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**Subject:** Re: Received documents

Sarah thank you !

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 May 14, 2019, at 1:15 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

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**From:** Kate Waldron <kwaldron@lan-tel.com>

**Sent:** Tuesday, May 14, 2019 1:45 PM EDT

**To:** Sarah Plowman <'Sarah Plowman' <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

**Subject:** RE: Received documents

Hi Sarah,

I think in the future we will opt for the hand-delivered approach. US Mail does not seem to get the job done.

Kate

---

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Wednesday, May 15, 2019 12:02 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <EJohnson@LAN-TEL.com>>; Colin Strutt <Colin Strutt <Colin@Interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@Interisle.net>>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "smime.p7s"

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

---

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

--

### **Sarah Plowman**

Regional Planner  
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**

Regional Planner

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:** Ronald Cayabyab <RCayabyab@shotspotter.com>

**Sent:** Wednesday, May 15, 2019 1:01 PM EDT

**To:** kpitts@cambridge911.org; smaywalt@cambridgepolice.org; rgriffin@chelseama.gov; jcowhig@chelseama.gov; TDunn@chelseama.gov; jeffrey.gilmore@cityofeverett.org; allen.peluso@cityofeverett.org; sford@reverepolice.org; dc@reverepolice.org; kbruken@reverepolice.org; mcabral@police.somerville.ma.us; mkiely@police.somerville.ma.us; rlavey@police.somerville.ma.us; dortega@somervillema.gov; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; MDesmond@somervillema.gov  
**CC:** Jason Smith <Jason Smith <jsmith@shotspotter.com>>; Support <Support <Support@shotspotter.com>>; Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>

**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

This is a reminder that we will be migrating your ShotSpotter system to a datacenter with newer equipment, higher security and higher performance this **Tuesday May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame.

The Investigator Portal application will be effected after the migration has completed. You will need to uninstall your current Investigator Portal application and download the latest version at <https://us19.shotspotter.net/download> using Internet Explorer (Silverlight compatible). You should use the new Investigator Portal after the migration has been completed. All other ShotSpotter applications such as ShotSpotter Dispatch and ShotSpotter Respond will not be effected.

Integration Services between ShotSpotter and your camera system (DVTel) will also be effected. We are working on updating this service as well.

Please let me know if you have any questions.

Best regards,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

rcayabyab@shotspotter.com

---

**From:** Ronald Cayabyab

**Sent:** Wednesday, May 1, 2019 1:20 PM

**To:** 'kpitts@cambridge911.org' <kpitts@cambridge911.org>; 'smaywalt@cambridgepolice.org' <smaywalt@cambridgepolice.org>; 'rgriffin@chelseama.gov' <rgriffin@chelseama.gov>; 'jcowhig@chelseama.gov' <jcowhig@chelseama.gov>; 'TDunn@chelseama.gov' <TDunn@chelseama.gov>; 'jeffrey.gilmore@cityofeverett.org' <jeffrey.gilmore@cityofeverett.org>; 'allen.peluso@cityofeverett.org' <allen.peluso@cityofeverett.org>; 'sford@reverepolice.org' <sford@reverepolice.org>; 'dc@reverepolice.org' <dc@reverepolice.org>; 'kbruken@reverepolice.org' <kbruken@reverepolice.org>; 'mcabral@police.somerville.ma.us' <mcabral@police.somerville.ma.us>; 'mkiely@police.somerville.ma.us' <mkiely@police.somerville.ma.us>; 'rlavey@police.somerville.ma.us' <rlavey@police.somerville.ma.us>; 'mcarroll@police.somerville.ma.us' <mcarroll@police.somerville.ma.us>; 'mcabral@police.somerville.ma.us' <mcabral@police.somerville.ma.us>; 'bcotter@police.somerville.ma.us' <bcotter@police.somerville.ma.us>; 'Brenda Jones' <brenda.jones@boston.gov>; 'Sarah Plowman' <sarah.plowman@boston.gov>

**Cc:** Jason Smith <jsmith@shotspotter.com>; Support (Support@shotspotter.com) <Support@shotspotter.com>; Chuck Wade <Chuck@Interisle.net>; Eric Johnson <ejohnson@Lan-Tel.com>

**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

We have changed the system migration date to accommodate the DVTel migrations to our new AWS platform. The DVTel integration project will need to take place prior to or on the day of the system migration. The new date is **May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame. Additional information can be found in the thread below.

Thanks,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

---

**From:** Ronald Cayabyab

**Sent:** Thursday, April 18, 2019 11:01 AM

**To:** 'kpitts@cambridge911.org' <[kpitts@cambridge911.org](mailto:kpitts@cambridge911.org)>; 'smaywalt@cambridgepolice.org' <[smaywalt@cambridgepolice.org](mailto:smaywalt@cambridgepolice.org)>; 'rgriffin@chelseama.gov' <[rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov)>; 'jcowhig@chelseama.gov' <[jcowhig@chelseama.gov](mailto:jcowhig@chelseama.gov)>; 'TDunn@chelseama.gov' <[TDunn@chelseama.gov](mailto:TDunn@chelseama.gov)>; 'jeffrey.gilmore@cityofeverett.org' <[jeffrey.gilmore@cityofeverett.org](mailto:jeffrey.gilmore@cityofeverett.org)>;

'allen.peluso@cityofeverett.org' <[allen.peluso@cityofeverett.org](mailto:allen.peluso@cityofeverett.org)>; 'sford@reverepolice.org' <[sford@reverepolice.org](mailto:sford@reverepolice.org)>;  
'dc@reverepolice.org' <[dc@reverepolice.org](mailto:dc@reverepolice.org)>; 'kbruker@reverepolice.org' <[kbruker@reverepolice.org](mailto:kbruker@reverepolice.org)>;  
'mcabral@police.somerville.ma.us' <[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'mkiely@police.somerville.ma.us'  
<[mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us)>; 'rlavey@police.somerville.ma.us' <[rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us)>;  
'mcarroll@police.somerville.ma.us' <[mcarroll@police.somerville.ma.us](mailto:mcarroll@police.somerville.ma.us)>; 'mcabral@police.somerville.ma.us'  
<[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'bcotter@police.somerville.ma.us' <[bcotter@police.somerville.ma.us](mailto:bcotter@police.somerville.ma.us)>; Brenda Jones  
<[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>; Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Cc:** Jason Smith <[jsmith@shotspotter.com](mailto:jsmith@shotspotter.com)>; Support ([Support@shotspotter.com](mailto:Support@shotspotter.com)) <[Support@shotspotter.com](mailto:Support@shotspotter.com)>  
**Subject:** ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

We will be migrating your ShotSpotter system to a datacenter with newer equipment, higher security and higher performance on May 14, 2019 between 6AM PDT to 12PM PDT. You should experience a brief service outage within this time frame.

Additionally, the Investigator Portal will be the ONLY application effected after the migration has completed. You will need to uninstall your current Investigator Portal application and download the latest version at <https://us19.shotspotter.net/download> using Internet Explorer (Silverlight compatible). You should use the new Investigator Portal after the migration has been completed. All other ShotSpotter applications such as ShotSpotter Dispatch and ShotSpotter Respond will not be effected.

Please let me know if you have any questions or issues with the maintenance window.

Best regards,

  
**Ron Cayabyab**  
**Technical Support Engineer IV**  
Tel.510.794.3114 / Fax.650.887.2106  
[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

**Corporate Headquarters**  
7979 Gateway Boulevard  
Newark, CA 94560

The Fight to Stop Gun Violence Starts with ShotSpotter



[ ref:\_00D60Jm9t.\_5000d1QImV0:ref ]

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

**Sent:** Thursday, May 16, 2019 8:29 AM EDT

**To:** sarah.plowman@boston.gov

**Subject:** Today

Sarah

Shaun Kennedy will be representing Lan-Tel today . He is our new everything IT specific to CIMs and PSnet for us . Sorry I couldn't make it . ( it's 85 degrees btw) I asked Shaun to introduce himself.

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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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Thursday, May 16, 2019 12:18 PM EDT  
**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: Today

Thanks, Eric. It was good to meet Shaun today. Enjoy the nice weather!

On Thu, May 16, 2019 at 8:29 AM Eric Johnson <ejohnson@lan-tel.com> wrote:

Sarah

Shaun Kennedy will be representing Lan-Tel today . He is our new everything IT specific to CIMs and PSnet for us . Sorry I couldn't make it . ( it's 85 degrees btw) I asked Shaun to introduce himself.

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**  
Regional Planner  
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, May 17, 2019 10:48 AM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: Received documents

Ironically, just today I finally got your mailed documents. Go figure!

On Tue, May 14, 2019 at 1:45 PM Kate Waldron <[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com)> wrote:

Hi Sarah,

I think in the future we will opt for the hand-delivered approach. US Mail does not seem to get the job done.

Kate

---

**From:** Sarah Plowman [mailto:[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)]  
**Sent:** Tuesday, May 14, 2019 1:15 PM  
**To:** Kate Waldron <[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com)>; Eric Johnson <ejohnson@Lan-Tel.com>  
**Subject:** Received documents

Hi Kate & Eric,

Just wanted to let you know that I your contract documents were just hand delivered here - thank you very much! I have all three sets (CIMS, BriefCam, and MACU) and I will begin the internal routing process today.

Thank you so much for getting these over promptly, and I'll let you know if there are any follow up questions!

Sarah

--

**Sarah Plowman**

Regional Planner

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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--



**Sarah Plowman**

Regional Planner

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:** Kate Waldron <kwaldron@lan-tel.com>  
**Sent:** Friday, May 17, 2019 11:03 AM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>  
**Subject:** Re: Received documents

God Bless the USPS!

Get [Outlook for iOS](#)

---

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Friday, May 17, 2019 10:48:30 AM  
**To:** Kate Waldron  
**Cc:** Eric Johnson  
**Subject:** Re: Received documents

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**Sent:** Tuesday, May 14, 2019 1:15 PM  
**To:** Kate Waldron <[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com)>; Eric Johnson <ejohnson@Lan-Tel.com>  
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**Sarah Plowman**

Regional Planner

Mayor's Office of Emergency Management

Boston City Hall, Room 204

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**From:** Ronald Cayabyab <RCayabyab@shotspotter.com>

**Sent:** Friday, May 17, 2019 3:35 PM EDT

**To:** kpitts@cambridge911.org; smaywalt@cambridgepolice.org; rgriffin@chelseama.gov; jcowhig@chelseama.gov; TDunn@chelseama.gov; jeffrey.gilmore@cityofeverett.org; allen.peluso@cityofeverett.org; sford@reverepolice.org; dc@reverepolice.org; kbruker@reverepolice.org; mcabral@police.somerville.ma.us; mkiely@police.somerville.ma.us; rlavey@police.somerville.ma.us; dortega@somervillema.gov; Brenda Jones <Brenda.Jones@boston.gov>; Sarah Plowman <Sarah.Plowman@boston.gov>; MDesmond@somervillema.gov  
**CC:** Jason Smith <Jason.Smith@shotspotter.com>; Support <Support@shotspotter.com>; Chuck Wade <Chuck.Wade@Interisle.net>; Eric Johnson <Eric.Johnson@Lan-Tel.com>; itdept@shotspotter.com>

**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

This is a reminder that we will be migrating your ShotSpotter system to a datacenter with newer equipment, higher security and higher performance this **Tuesday May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame. Additional information regarding this system migration can be found in the thread below.

In addition to the system migration, integration services between ShotSpotter and DVTel/Flir also needed to be addressed. At this time, DVTel/Flir is still in the process of updating their camera software to accommodate the new integration services provided by ShotSpotter. This may break the connection on May 21, 2019 until we are able to re-establish a connection with the DVTel/Flir system.

Please let me know if you have any questions or concerns.

Best regards,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

---

**From:** Ronald Cayabyab

**Sent:** Wednesday, May 15, 2019 10:02 AM

**To:** kpitts@cambridge911.org; smaywalt@cambridgepolice.org; rgriffin@chelseama.gov; jcowhig@chelseama.gov; TDunn@chelseama.gov; jeffrey.gilmore@cityofeverett.org; allen.peluso@cityofeverett.org; sford@reverepolice.org; dc@reverepolice.org; kbruker@reverepolice.org; mcabral@police.somerville.ma.us; mkiely@police.somerville.ma.us; rlavey@police.somerville.ma.us; dortega@somervillema.gov; Brenda Jones <Brenda.Jones@boston.gov>; Sarah Plowman <Sarah.Plowman@boston.gov>; MDesmond@somervillema.gov

**Cc:** Jason Smith <Jason.Smith@shotspotter.com>; Support <Support@shotspotter.com>; Chuck Wade <Chuck.Wade@Interisle.net>; Eric Johnson <Eric.Johnson@Lan-Tel.com>

**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

**Importance:** High

Hello All,

This is a reminder that we will be migrating your ShotSpotter system to a datacenter with newer equipment, higher security and higher performance this **Tuesday May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame.

The Investigator Portal application will be effected after the migration has completed. You will need to uninstall your current Investigator Portal application and download the latest version at <https://us19.shotspotter.net/download> using Internet Explorer (Silverlight compatible). You should use the new Investigator Portal after the migration has been completed. All other ShotSpotter applications such as ShotSpotter Dispatch and ShotSpotter Respond will not be effected.

Integration Services between ShotSpotter and your camera system (DVTel) will also be effected. We are working on updating this service as well.

Please let me know if you have any questions.

Best regards,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

---

**From:** Ronald Cayabyab

**Sent:** Wednesday, May 1, 2019 1:20 PM

To: 'kpitts@cambridge911.org' <[kpitts@cambridge911.org](mailto:kpitts@cambridge911.org)>; 'smaywalt@cambridgepolice.org' <[smaywalt@cambridgepolice.org](mailto:smaywalt@cambridgepolice.org)>; 'rgriffin@chelseama.gov' <[rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov)>; 'jcowhig@chelseama.gov' <[jcowhig@chelseama.gov](mailto:jcowhig@chelseama.gov)>; 'TDunn@chelseama.gov' <[TDunn@chelseama.gov](mailto:TDunn@chelseama.gov)>; 'jeffrey.gilmore@cityofeverett.org' <[jeffrey.gilmore@cityofeverett.org](mailto:jeffrey.gilmore@cityofeverett.org)>; 'allen.peluso@cityofeverett.org' <[allen.peluso@cityofeverett.org](mailto:allen.peluso@cityofeverett.org)>; 'sford@reverepolice.org' <[sford@reverepolice.org](mailto:sford@reverepolice.org)>; 'dc@reverepolice.org' <[dc@reverepolice.org](mailto:dc@reverepolice.org)>; 'kbrucker@reverepolice.org' <[kbrucker@reverepolice.org](mailto:kbrucker@reverepolice.org)>; 'mcabral@police.somerville.ma.us' <[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'mkiely@police.somerville.ma.us' <[mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us)>; 'rlavey@police.somerville.ma.us' <[rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us)>; 'mcarroll@police.somerville.ma.us' <[mcarroll@police.somerville.ma.us](mailto:mcarroll@police.somerville.ma.us)>; 'mcabral@police.somerville.ma.us' <[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'bcotter@police.somerville.ma.us' <[bcotter@police.somerville.ma.us](mailto:bcotter@police.somerville.ma.us)>; 'Brenda Jones' <[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>; 'Sarah Plowman' <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>

Cc: Jason Smith <[jsmith@shotspotter.com](mailto:jsmith@shotspotter.com)>; Support (<[Support@shotspotter.com](mailto:Support@shotspotter.com)>) <[Support@shotspotter.com](mailto:Support@shotspotter.com)>; Chuck Wade <[Chuck@Interisle.net](mailto:Chuck@Interisle.net)>; Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>

Subject: RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

We have changed the system migration date to accommodate the DVTel migrations to our new AWS platform. The DVTel integration project will need to take place prior to or on the day of the system migration. The new date is **May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame. Additional information can be found in the thread below.

Thanks,



Ron Cayabyab

Senior Manager, Integration Services

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

---

From: Ronald Cayabyab

Sent: Thursday, April 18, 2019 11:01 AM

To: 'kpitts@cambridge911.org' <[kpitts@cambridge911.org](mailto:kpitts@cambridge911.org)>; 'smaywalt@cambridgepolice.org' <[smaywalt@cambridgepolice.org](mailto:smaywalt@cambridgepolice.org)>; 'rgriffin@chelseama.gov' <[rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov)>; 'jcowhig@chelseama.gov' <[jcowhig@chelseama.gov](mailto:jcowhig@chelseama.gov)>; 'TDunn@chelseama.gov' <[TDunn@chelseama.gov](mailto:TDunn@chelseama.gov)>; 'jeffrey.gilmore@cityofeverett.org' <[jeffrey.gilmore@cityofeverett.org](mailto:jeffrey.gilmore@cityofeverett.org)>; 'allen.peluso@cityofeverett.org' <[allen.peluso@cityofeverett.org](mailto:allen.peluso@cityofeverett.org)>; 'sford@reverepolice.org' <[sford@reverepolice.org](mailto:sford@reverepolice.org)>; 'dc@reverepolice.org' <[dc@reverepolice.org](mailto:dc@reverepolice.org)>; 'kbrucker@reverepolice.org' <[kbrucker@reverepolice.org](mailto:kbrucker@reverepolice.org)>; 'mcabral@police.somerville.ma.us' <[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'mkiely@police.somerville.ma.us' <[mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us)>; 'rlavey@police.somerville.ma.us' <[rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us)>; 'mcarroll@police.somerville.ma.us' <[mcarroll@police.somerville.ma.us](mailto:mcarroll@police.somerville.ma.us)>; 'mcabral@police.somerville.ma.us' <[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'bcotter@police.somerville.ma.us' <[bcotter@police.somerville.ma.us](mailto:bcotter@police.somerville.ma.us)>; Brenda Jones <[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>; Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>

Cc: Jason Smith <[jsmith@shotspotter.com](mailto:jsmith@shotspotter.com)>; Support (<[Support@shotspotter.com](mailto:Support@shotspotter.com)>) <[Support@shotspotter.com](mailto:Support@shotspotter.com)>

Subject: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

We will be migrating your ShotSpotter system to a datacenter with newer equipment, higher security and higher performance on May 14, 2019 between 6AM PDT to 12PM PDT. You should experience a brief service outage within this time frame.

Additionally, the Investigator Portal will be the ONLY application effected after the migration has completed. You will need to uninstall your current Investigator Portal application and download the latest version at <https://us19.shotspotter.net/download> using Internet Explorer (Silverlight compatible). You should use the new Investigator Portal after the migration has been completed. All other ShotSpotter applications such as ShotSpotter Dispatch and ShotSpotter Respond will not be effected.

Please let me know if you have any questions or issues with the maintenance window.

Best regards,



Ron Cayabyab

Technical Support Engineer IV

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

Corporate Headquarters

7979 Gateway Boulevard

Newark, CA 94560

The Fight to Stop Gun Violence Starts with ShotSpotter



[ ref:\_00D60Jm9t.\_5000d1QImV0:ref ]

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

**Sent:** Monday, May 20, 2019 12:46 PM EDT

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

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

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

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

---

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

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.

- 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 PDUHxxAT" 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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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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Sarah Plowman

Regional Planner  
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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**Sarah Plowman**

Regional Planner  
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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**Sarah Plowman**

Regional Planner  
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:** Scott Wilder <[swilder@brooklinema.gov](mailto:swilder@brooklinema.gov)>

**Sent:** Monday, May 20, 2019 2:47 PM EDT

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

**CC:** Chuck Wade <Chuck Wade <[Chuck@Interisle.net](mailto:Chuck@Interisle.net)>>; Eric Johnson <Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>>

**Subject:** PSnet Servers

**Attachment(s):** "BladeServerMBHSR2019.pdf"

All,

Blade server upgrade equipment was just delivered.

Scott

Officer Scott Wilder  
Director of Technology  
Brookline Police Department  
350 Washington Street  
Brookline, MA. 02445-6800  
Office : 617-730-2259  
[swilder@brooklinema.gov](mailto:swilder@brooklinema.gov)

**From:** Scott Wilder <swilder@brooklinema.gov>  
**Sent:** Monday, May 20, 2019 2:52 PM EDT  
**To:** Chuck Wade <Chuck Wade <Chuck@Interisle.net>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <ericjohnson@Lan-Tel.com>>  
**Subject:** RE: PSnet Servers

Yes, I have them in my office.

---

**From:** Chuck Wade [mailto:Chuck@Interisle.net]  
**Sent:** Monday, May 20, 2019 2:52 PM  
**To:** Scott Wilder <swilder@brooklinema.gov>; Sarah Plowman <sarah.plowman@boston.gov>  
**Cc:** Eric Johnson <ericjohnson@Lan-Tel.com>  
**Subject:** Re: PSnet Servers

Scott,

I assume this was delivered to your site? I will try to swing by this week to retrieve this equipment, and start the process of deploying these new blade servers to Cambridge and Boston PD.

...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 5/20/19 2:47 PM, Scott Wilder wrote:

All,

Blade server upgrade equipment was just delivered.

Scott

**Officer Scott Wilder**  
**Director of Technology**  
**Brookline Police Department**  
**350 Washington Street**  
**Brookline, MA. 02445-6800**  
**Office : 617-730-2259**  
[swilder@brooklinema.gov](mailto:swilder@brooklinema.gov)

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

**Sent:** Tuesday, May 21, 2019 9:29 AM EDT

**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>

**Subject:** Tellus/LAN-TEL Phase IVB wrap up

Hello Eric & Roger,

Just checking in to see how Phase IVB is wrapping up. When we last emailed a month ago, Tellus was working with Somerville PD and FD. After that point, remaining was Northeastern and Boston PD/FD. Can you please let me know where we are at with this and when you anticipate sending a final invoice for the IVB portion that remains?

Thank you,  
Sarah

--

**Sarah Plowman**

Regional Planner

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

**Sent:** Tuesday, May 21, 2019 11:12 AM EDT

**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>

**Subject:** Re: Tellus/LAN-TEL Phase IVB wrap up

Hi Sarah,

We're tentatively scheduled to install the CAD adapter for Somerville FD/PD this week on Thu. We believe that Northeastern's environment is nearly ready, too. We (Tellus) will then have a few clean-up tasks to migrate some of the services (ex: the BRIC SQL feed) before we close the project completely. Those shouldn't take more than a couple more weeks from now.

Boston PD/FD, on the other hand, may need to be descoped if they are not willing to participate. It was written in our SOW with LAN-TEL that if an agency doesn't step up and do their part, they would be removed from scope so as to not cause this project linger open forever. If any of you on this email have any last-ditch ideas on who to contact and what message to give in order to convince the right Boston PD/FD powers to be, I'm open to it. But I've got nothing on my side.

Thanks,

Roger Salisbury

**Tellus**

801-397-3973 x5146

*FATPOT Technologies is now Tellus*

On 5/21/2019 7:29 AM, Sarah Plowman wrote:

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Just checking in to see how Phase IVB is wrapping up. When we last emailed a month ago, Tellus was working with Somerville PD and FD. After that point, remaining was Northeastern and Boston PD/FD. Can you please let me know where we are at with this and when you anticipate sending a final invoice for the IVB portion that remains?

Thank you,

Sarah

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**Sarah Plowman**

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Phone: 617.635.1400

Fax: 617.635.2974



Virus-free. [www.avast.com](http://www.avast.com)

**From:** Ronald Cayabyab <RCayabyab@shotspotter.com>

**Sent:** Tuesday, May 21, 2019 1:14 PM EDT

**To:** kpitts@cambridge911.org; smaywalt@cambridgepolice.org; rgriffin@chelseama.gov; jcowhig@chelseama.gov; TDunn@chelseama.gov; jeffrey.gilmore@cityofeverett.org; allen.peluso@cityofeverett.org; sford@reverepolice.org; dc@reverepolice.org; kbruker@reverepolice.org; mcabral@police.somerville.ma.us; mkiely@police.somerville.ma.us; dortega@somervillema.gov; Brenda Jones <Brenda Jones <brenda.jones@boston.gov>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; MDesmond@somervillema.gov; Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>>; Timothy Mitsakis <Timothy Mitsakis <tmitsakis@police.somerville.ma.us>>

**CC:** Jason Smith <Jason Smith <jsmith@shotspotter.com>>; Support <Support <Support@shotspotter.com>>; Chuck Wade (Chuck@interisle.net) <Chuck Wade (Chuck@interisle.net) <Chuck@interisle.net>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Arzi, Boaz (US); itdept <itdept@shotspotter.com>>; Nikhil Mehta <Nikhil Mehta <nmehta@shotspotter.com>>; Thibault Doublier <Thibault Doublier <tdoublier@shotspotter.com>>

**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

We have successfully updated all ShotSpotter core systems for Cambridge, Chelsea, Everett, Revere and Somerville that consisted of migrating all databases, comm servers, and 146 sensors.

Currently, the Investigator Portal is the only application effected. You will need to uninstall your current Investigator Portal application and download the latest version at <https://us19.shotspotter.net/download> using Internet Explorer (Silverlight compatible). All other ShotSpotter applications such as ShotSpotter Dispatch and ShotSpotter Respond should be running normally.

Integration services will also continue to function normally as we continue with our efforts in updating Flir to our new AWS platform.

Please let me know if you have any questions or concerns.

Thanks and regards,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

---

**From:** Ronald Cayabyab

**Sent:** Friday, May 17, 2019 12:35 PM

**To:** kpitts@cambridge911.org; smaywalt@cambridgepolice.org; rgriffin@chelseama.gov; jcowhig@chelseama.gov; TDunn@chelseama.gov; jeffrey.gilmore@cityofeverett.org; allen.peluso@cityofeverett.org; sford@reverepolice.org; dc@reverepolice.org; kbruker@reverepolice.org; mcabral@police.somerville.ma.us; mkiely@police.somerville.ma.us; rlavey@police.somerville.ma.us; dortega@somervillema.gov; Brenda Jones <brenda.jones@boston.gov>; Sarah Plowman <sarah.plowman@boston.gov>; MDesmond@somervillema.gov

**Cc:** Jason Smith <jsmith@shotspotter.com>; Support <Support@shotspotter.com>; Chuck Wade <Chuck@Interisle.net>; Eric Johnson <ejohnson@Lan-Tel.com>; itdept <itdept@shotspotter.com>

**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

**Importance:** High

Hello All,

This is a reminder that we will be migrating your ShotSpotter system to a datacenter with newer equipment, higher security and higher performance this **Tuesday May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame. Additional information regarding this system migration can be found in the thread below.

In addition to the system migration, integration services between ShotSpotter and DVTel/Flir also needed to be addressed. At this time, DVTel/Flir is still in the process of updating their camera software to accommodate the new integration services provided by ShotSpotter. This may break the connection on May 21, 2019 until we are able to re-establish a connection with the DVTel/Flir system.

Please let me know if you have any questions or concerns.

Best regards,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

---

**From:** Ronald Cayabyab

**Sent:** Wednesday, May 15, 2019 10:02 AM



**To:** [kpitts@cambridge911.org](mailto:kpitts@cambridge911.org); [smaywalt@cambridgepolice.org](mailto:smaywalt@cambridgepolice.org); [rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov); [jcowhig@chelseama.gov](mailto:jcowhig@chelseama.gov); [TDunn@chelseama.gov](mailto:TDunn@chelseama.gov); [jeffrey.gilmore@cityofeverett.org](mailto:jeffrey.gilmore@cityofeverett.org); [allen.peluso@cityofeverett.org](mailto:allen.peluso@cityofeverett.org); [sford@reverepolice.org](mailto:sford@reverepolice.org); [dc@reverepolice.org](mailto:dc@reverepolice.org); [kbruker@reverepolice.org](mailto:kbruker@reverepolice.org); [mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us); [mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us); [rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us); [dortega@somervillema.gov](mailto:dortega@somervillema.gov); Brenda Jones <[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>; Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>; [MDesmond@somervillema.gov](mailto:MDesmond@somervillema.gov)  
**Cc:** Jason Smith <[jsmith@shotspotter.com](mailto:jsmith@shotspotter.com)>; Support <[Support@shotspotter.com](mailto:Support@shotspotter.com)>; Chuck Wade <[Chuck@Interisle.net](mailto:Chuck@Interisle.net)>; Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project  
**Importance:** High

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This is a reminder that we will be migrating your ShotSpotter system to a datacenter with newer equipment, higher security and higher performance this **Tuesday May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame.

The Investigator Portal application will be effected after the migration has completed. You will need to uninstall your current Investigator Portal application and download the latest version at <https://us19.shotspotter.net/download> using Internet Explorer (Silverlight compatible). You should use the new Investigator Portal after the migration has been completed. All other ShotSpotter applications such as ShotSpotter Dispatch and ShotSpotter Respond will not be effected.

Integration Services between ShotSpotter and your camera system (DVTel) will also be effected. We are working on updating this service as well.

Please let me know if you have any questions.

Best regards,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

---

**From:** Ronald Cayabyab

**Sent:** Wednesday, May 1, 2019 1:20 PM

**To:** 'kpitts@cambridge911.org' <[kpitts@cambridge911.org](mailto:kpitts@cambridge911.org)>; 'smaywalt@cambridgepolice.org' <[smaywalt@cambridgepolice.org](mailto:smaywalt@cambridgepolice.org)>; 'rgriffin@chelseama.gov' <[rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov)>; 'jcowhig@chelseama.gov' <[jcowhig@chelseama.gov](mailto:jcowhig@chelseama.gov)>; 'TDunn@chelseama.gov' <[TDunn@chelseama.gov](mailto:TDunn@chelseama.gov)>; 'jeffrey.gilmore@cityofeverett.org' <[jeffrey.gilmore@cityofeverett.org](mailto:jeffrey.gilmore@cityofeverett.org)>; 'allen.peluso@cityofeverett.org' <[allen.peluso@cityofeverett.org](mailto:allen.peluso@cityofeverett.org)>; 'sford@reverepolice.org' <[sford@reverepolice.org](mailto:sford@reverepolice.org)>; 'dc@reverepolice.org' <[dc@reverepolice.org](mailto:dc@reverepolice.org)>; 'kbruker@reverepolice.org' <[kbruker@reverepolice.org](mailto:kbruker@reverepolice.org)>; 'mcabral@police.somerville.ma.us' <[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'mkiely@police.somerville.ma.us' <[mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us)>; 'rlavey@police.somerville.ma.us' <[rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us)>; 'mcarroll@police.somerville.ma.us' <[mcarroll@police.somerville.ma.us](mailto:mcarroll@police.somerville.ma.us)>; 'mcabral@police.somerville.ma.us' <[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'bcotter@police.somerville.ma.us' <[bcotter@police.somerville.ma.us](mailto:bcotter@police.somerville.ma.us)>; 'Brenda Jones' <[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>; 'Sarah Plowman' <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Cc:** Jason Smith <[jsmith@shotspotter.com](mailto:jsmith@shotspotter.com)>; Support (<[Support@shotspotter.com](mailto:Support@shotspotter.com)> <[Support@shotspotter.com](mailto:Support@shotspotter.com)>); Chuck Wade <[Chuck@Interisle.net](mailto:Chuck@Interisle.net)>; Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
**Subject:** RE: ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

Hello All,

We have changed the system migration date to accommodate the DVTel migrations to our new AWS platform. The DVTel integration project will need to take place prior to or on the day of the system migration. The new date is **May 21, 2019 between 6AM PDT to 12PM PDT**. You should experience a brief service outage within this time frame. Additional information can be found in the thread below.

Thanks,



**Ron Cayabyab**

**Senior Manager, Integration Services**

Tel.510.794.3114 / Fax.650.887.2106

[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

---

**From:** Ronald Cayabyab

**Sent:** Thursday, April 18, 2019 11:01 AM

**To:** 'kpitts@cambridge911.org' <[kpitts@cambridge911.org](mailto:kpitts@cambridge911.org)>; 'smaywalt@cambridgepolice.org' <[smaywalt@cambridgepolice.org](mailto:smaywalt@cambridgepolice.org)>; 'rgriffin@chelseama.gov' <[rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov)>; 'jcowhig@chelseama.gov' <[jcowhig@chelseama.gov](mailto:jcowhig@chelseama.gov)>; 'TDunn@chelseama.gov' <[TDunn@chelseama.gov](mailto:TDunn@chelseama.gov)>; 'jeffrey.gilmore@cityofeverett.org' <[jeffrey.gilmore@cityofeverett.org](mailto:jeffrey.gilmore@cityofeverett.org)>; 'allen.peluso@cityofeverett.org' <[allen.peluso@cityofeverett.org](mailto:allen.peluso@cityofeverett.org)>; 'sford@reverepolice.org' <[sford@reverepolice.org](mailto:sford@reverepolice.org)>;

'dc@reverepolice.org' <[dc@reverepolice.org](mailto:dc@reverepolice.org)>; 'kbruker@reverepolice.org' <[kbruker@reverepolice.org](mailto:kbruker@reverepolice.org)>;  
'mcabral@police.somerville.ma.us' <[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'mkiely@police.somerville.ma.us'  
<[mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us)>; 'rlavey@police.somerville.ma.us' <[rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us)>;  
'mcarroll@police.somerville.ma.us' <[mcarroll@police.somerville.ma.us](mailto:mcarroll@police.somerville.ma.us)>; 'mcabral@police.somerville.ma.us'  
<[mcabral@police.somerville.ma.us](mailto:mcabral@police.somerville.ma.us)>; 'bcotter@police.somerville.ma.us' <[bcotter@police.somerville.ma.us](mailto:bcotter@police.somerville.ma.us)>; Brenda Jones  
<[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>; Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Cc:** Jason Smith <[jsmith@shotspotter.com](mailto:jsmith@shotspotter.com)>; Support ([Support@shotspotter.com](mailto:Support@shotspotter.com)) <[Support@shotspotter.com](mailto:Support@shotspotter.com)>  
**Subject:** ShotSpotter (Cambridge, Chelsea, Everett, Revere, Somerville) - System migration project

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Additionally, the Investigator Portal will be the ONLY application effected after the migration has completed. You will need to uninstall your current Investigator Portal application and download the latest version at <https://us19.shotspotter.net/download> using Internet Explorer (Silverlight compatible). You should use the new Investigator Portal after the migration has been completed. All other ShotSpotter applications such as ShotSpotter Dispatch and ShotSpotter Respond will not be effected.

Please let me know if you have any questions or issues with the maintenance window.

Best regards,

  
**Ron Cayabyab**  
**Technical Support Engineer IV**  
Tel.510.794.3114 / Fax.650.887.2106  
[rcayabyab@shotspotter.com](mailto:rcayabyab@shotspotter.com)

**Corporate Headquarters**  
7979 Gateway Boulevard  
Newark, CA 94560

The Fight to Stop Gun Violence Starts with ShotSpotter



[ ref:\_00D60Jm9t.\_5000d1QImV0:ref ]

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

**Sent:** Tuesday, May 21, 2019 2:20 PM EDT

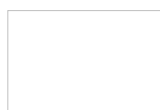
**To:** Jason Marshall <Jason Marshall <Jason.Marshall@pd.boston.gov>>; Haynes, Brett; Don Burgess <Don Burgess <don.burgess@boston.gov>>; McDavitt, Conor; Beers, Jeff; Vasconcelos, Nelson; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; William Joyce <William Joyce <william.joyce@boston.gov>>; Wilson 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>>

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

**Subject:** Security Camera Strategy Meeting - Status Updates

**Attachment(s):** "Security Camera Strategy Meeting\_5-22-19.docx"

Hi all - attached is the status report for tomorrow's meeting.



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

**Sent:** Wednesday, May 22, 2019 3:52 PM EDT

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

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

**Subject:** Re: Tellus/LAN-TEL Phase IVB wrap up

Roger, Scott, Eric,

Thanks for the update. It is my understanding that Boston is not participating in this phase of the project.

- **Scott**, if you know differently or think Boston may still be on the fence, can you please email those contact folks (copy me on the email) and request that they give a hard yes/no by May 31? If we don't hear from them by that time, we will take that to be a "no" and move to close out the project.
- **Roger**, please send an update again by May 31 to report out on Somerville and Northeastern, as well as providing a timeline for the clean-up tasks that includes a project end date from the Tellus side.
- **Eric**, please send an email by May 31 to report on the LAN-TEL end re: any final tasks on the horizon, the timeline, and a project end date from your side.

Thank you, all!

Sarah

On Tue, May 21, 2019 at 11:12 AM Roger Salisbury <[rsalisbury@tellus.us](mailto:rsalisbury@tellus.us)> wrote:

Hi Sarah,

We're tentatively scheduled to install the CAD adapter for Somerville FD/PD this week on Thu. We believe that Northeastern's environment is nearly ready, too. We (Tellus) will then have a few clean-up tasks to migrate some of the services (ex: the BRIC SQL feed) before we close the project completely. Those shouldn't take more than a couple more weeks from now.

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Thanks,

Roger Salisbury

**Tellus**

801-397-3973 x5146

*FATPOT Technologies is now Tellus*

On 5/21/2019 7:29 AM, Sarah Plowman wrote:

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Thank you,

Sarah

--

**Sarah Plowman**

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**Sarah Plowman**

Regional Planner

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:** JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov>  
**Sent:** Thursday, May 23, 2019 12:44 PM EDT  
**To:** Sarah Plowman <Sarah.Plowman@boston.gov>; Scott Wilder <Scott.Wilder@brooklinema.gov>; RICHARD B MCCUSKER <RICHARD.B.MCCUSKER@quincyma.gov>  
**CC:** Johnson, Eric  
**Subject:** Fw: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Sarah,

Quincy wants to make sure the Lan-Tel MACU vehicle will be available for the following dates as previously noted:

Saturday June 16 from 3-10pm

Sunday December 1 from 9-3pm

We would also be appreciative if the MACU would be available for Wednesday July 3rd from 4-10pm

Thanks,  
Joe

---

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Thursday, March 14, 2019 10:12 AM  
**To:** Regina Collyer  
**Cc:** ROBERT P GILLAN; Ahern, Thomas; ALLY SLEIMAN; Brian Gover; Chief Gerald Reardon; Chief Terence Delehanty; Christopher Ward; Dan Rothman; Greg McCarthy; James Guido; Jim Fitzpatrick; John Daley; John Goodwin; Keith Houghton; Keith Vetreno; Kevin McGoldrick; Linda Calnan; Lt. Richard Lavey; Matthew Kervin; Meredith Willis; Mike Kiely; Nicholas Goon; Pam Monziona; Paul Sheehan; Robert Griffin; Ryan McGovern; Salvatore Fusco; Scott Wilder; Shannon LeColst; Shawn Romanoski; Stephen A Ahern (Deputy); Steven Ford; Timothy Connolly; Timothy Mitsakis; Tony Carli; Wayne Carter; White, Kathryn; JOSEPH PEPJONOVICH; Brenda Jones  
**Subject:** Re: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello again everyone,

A few updates on the MACU response vehicle. See below for most current "request calendar" dates. But please note - we are still determining how to contract for this service. LAN-TEL has informed me that it is not offered via state contract and therefore we will likely have to do an IFB (invitation for bids). Additionally I am working with Brenda to get all of the necessary approvals. Finally, we will need LAN-TEL to provide us a SOP for vehicle use, in addition to our own draft policy. All of that said -- this will not be an immediate process. For those of you with spring request dates, I will "hold" those for next year's calendar if you like. For those of you with summer dates (especially June), I will do my best to keep this moving forward, but please note for **all** of the requests, they are, at this point, just *requests*. Not until we have an actual contract can I confirm that your jurisdiction will have the MACU for these dates. In light of that, for those of you who have already submitted spring/early summer dates, feel free to email me again late summer/fall dates to add on, and I'll keep a running list. We can start confirming the calendar just as soon as we have a contract.

Thanks,  
Sarah

Current list, this time organized chronologically:

- (International Worker's Day - May 1 - Chelsea) <-- This date is too soon. We'll need a replacement date.
- (Flag Day Parade - June 6 - Quincy) <-- This might be cutting it close...
- (Pride Parade - June 8 - Boston) <-- This might be cutting it close...
- (Casino Opening Day - June 23 - Everett) <-- Maybe we would have something by this time
- (Somerville Fireworks - June 27 - Somerville) <-- Maybe we would have something by this time
- Fourth of July - July 4 - Boston
- Sand Castles - July 26-28 - Revere
- Boston Caribbean Festival/Carnival - August 29? - Boston
- River Fest @ Assembly Road - September 7 - Somerville
- Caribbean Festival - September 8 - Cambridge
- Everett City Festival - September 14 - Everett
- Christmas Day Parade - December 12 - Quincy
- (First Night - December 31 - Boston) <-- Adding this if the first Boston day doesn't work.

On Tue, Mar 12, 2019 at 10:47 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:  
Here's the updated list for the vehicle requests:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time

- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Christmas Day Parade, December 12
- (Quincy) Flag Day Parade, June 6
- (Everett) Everett City Festival, September 14
- \*maybe\* (Cambridge) Caribbean Festival, September ?
- (Somerville), Somerville's Fireworks, June 27
- (Chelsea) International Worker's Day, May 1

On Wed, Mar 6, 2019 at 10:36 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Yes, Sgt. Collyer. All - here's the currently updated list:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time
- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Christmas Day Parade, December 12
- (Quincy) Flag Day Parade, June 6
- (Everett) Everett City Festival, September 14

Thanks again to all. I'll send out updated lists every so often as I get more requests. Again, if you have concerns with the draft policy please let me know that, too.

On Wed, Mar 6, 2019 at 10:00 AM Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)> wrote:

Hello Sarah, can you also add September 14th for the Everett City Festival. Thank you- Gina

---

**From:** LT Bob Gillan [[rgillan@quincyma.gov](mailto:rgillan@quincyma.gov)]

**Sent:** Wednesday, March 6, 2019 8:45 AM

**To:** 'Sarah Plowman'; 'Ahern, Thomas'; 'Ally Sleiman'; 'Brian Gover'; 'Chief Gerald Reardon'; 'Chief Terence Delehanty'; 'Christopher Ward'; 'Dan Rothman'; 'Greg McCarthy'; 'James Guido'; 'Jim Fitzpatrick'; 'John Daley'; 'John Goodwin'; 'Keith Houghton'; 'Keith Vetreno'; 'Kevin McGoldrick'; 'Linda Calnan'; 'Lt. Richard Lavey'; 'Matthew Kervin'; 'Meredith Willis'; 'Mike Kiely'; 'Nicholas Goon'; 'Pam Monziona'; 'Paul Sheehan'; 'Regina Collyer'; 'Robert Griffin'; 'Ryan McGovern'; 'Salvatore Fusco'; 'Scott Wilder'; 'Shannon LeColst'; 'Shawn Romanoski'; 'Stephen A Ahern (Deputy)'; 'Steven Ford'; 'Timothy Connolly'; 'Timothy Mitsakis'; 'Tony Carli'; 'Wayne Carter'; 'White, Kathryn'; 'Joe P

**Cc:** 'Brenda Jones'

**Subject:** RE: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello Sarah

Please reserve the following two days for the City of Quincy's use of the subject vehicle

- 1- Christmas Day Parade 12 December
- 2- Flag Day Parade 6 June

Many Thanks

Bob Gillan

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

**Sent:** Tuesday, March 5, 2019 16:52 PM

**To:** Ahern, Thomas <[TAhern@cambridgepolice.org](mailto:TAhern@cambridgepolice.org)>; Ally Sleiman <[asleiman@quincyma.gov](mailto:asleiman@quincyma.gov)>; Bob Gillan <[rgillan@quincyma.gov](mailto:rgillan@quincyma.gov)>; Brian Gover <[bgover@cambridgefire.org](mailto:bgover@cambridgefire.org)>; Chief Gerald Reardon <[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)>; Chief Terence Delehanty <[tdelehanty@town.winthrop.ma.us](mailto:tdelehanty@town.winthrop.ma.us)>; Christopher Ward <[cward@police.somerville.ma.us](mailto:cward@police.somerville.ma.us)>; Dan Rothman <[dan.rothman@boston.gov](mailto:dan.rothman@boston.gov)>; Greg McCarthy <[greg.mccarthy@boston.gov](mailto:greg.mccarthy@boston.gov)>; James Guido <[jguido@reverepolice.org](mailto:jguido@reverepolice.org)>; Jim Fitzpatrick <[jim.fitzpatrick@pd.boston.gov](mailto:jim.fitzpatrick@pd.boston.gov)>; John Daley <[John.Daley@pd.boston.gov](mailto:John.Daley@pd.boston.gov)>; John Goodwin <[jgoodwin@town.winthrop.ma.us](mailto:jgoodwin@town.winthrop.ma.us)>; Keith Houghton <[khoughton@chelseama.gov](mailto:khoughton@chelseama.gov)>; Keith Vetreno <[kvetreno@chelseama.gov](mailto:kvetreno@chelseama.gov)>; Kevin McGoldrick <[Kevin.mcgoldrick@pd.boston.gov](mailto:Kevin.mcgoldrick@pd.boston.gov)>; Linda Calnan <[linda.calnan@boston.gov](mailto:linda.calnan@boston.gov)>; Lt. Richard Lavey <[rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us)>; Matthew Kervin <[matthew.kervin@pd.boston.gov](mailto:matthew.kervin@pd.boston.gov)>; Meredith Willis <[mwillis@police.somerville.ma.us](mailto:mwillis@police.somerville.ma.us)>; Mike Kiely <[mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us)>; Nicholas Goon <[ngoos@brooklinema.gov](mailto:ngoos@brooklinema.gov)>; Pam Monziona <[pmonziona@chelseama.gov](mailto:pmonziona@chelseama.gov)>; Paul Sheehan <[psheehan@cambridgefire.org](mailto:psheehan@cambridgefire.org)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>; Robert Griffin <[rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov)>; Ryan McGovern <[ryan.mcgovern@boston.gov](mailto:ryan.mcgovern@boston.gov)>; Salvatore Fusco <[sfusco@police.somerville.ma.us](mailto:sfusco@police.somerville.ma.us)>; Scott Wilder <[swilder@brooklinema.gov](mailto:swilder@brooklinema.gov)>; Shannon LeColst <[shannon.lecolst@boston.gov](mailto:shannon.lecolst@boston.gov)>; Shawn Romanoski <[Shawn.Romanoski@pd.boston.gov](mailto:Shawn.Romanoski@pd.boston.gov)>; Stephen A Ahern (Deputy) <[saahern@cambridgepolice.org](mailto:saahern@cambridgepolice.org)>; Steven Ford <[sford@reverepolice.org](mailto:sford@reverepolice.org)>; Timothy Connolly <[timothy.connolly@pd.boston.gov](mailto:timothy.connolly@pd.boston.gov)>; Timothy Mitsakis <[tmitsakis@police.somerville.ma.us](mailto:tmitsakis@police.somerville.ma.us)>; Tony Carli <[tony.carli@cityofeverett.org](mailto:tony.carli@cityofeverett.org)>; Wayne Carter <[wcarter@town.winthrop.ma.us](mailto:wcarter@town.winthrop.ma.us)>; White, Kathryn <[Kathryn.White@mwra.com](mailto:Kathryn.White@mwra.com)>

**Cc:** Brenda Jones <[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>

**Subject:** LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello CIKR members,

Per our conversation at the meeting last week, I'm sending this email out that recaps the draft MBHSR request/calendar policy for the LAN-TEL MACU Response Vehicle. Please review and respond with any concerns. **If there are no concerns I will consider that to be an agreement to move ahead with drawing up contract documents that reflect these policies.**

First, context:

- There is \$70,500 allocated in the FFY18 grant for this project.
- LAN-TEL has communicated that each event will be a flat rate fee of \$2,500.
- Doing the math, \$2,500 goes into \$70,500 approximately 28 times. And 9 cities/towns goes into 28 uses approximately 3 times.

Therefore, the MBHSR MACU Response Vehicle policy would state:

- Under this \$70,500 contract, each of the 9 MBHSR cities/towns would be allowed to request the MACU for two (2) planned events. ( $9 \times 2 = 18$  MACU uses)
- The remaining 10 uses would be held in reserve for emergency incidents, to be used as needed on a first-come, first-served bases region-wide. To track this, a city/town must notify OEM as well as LAN-TEL when the MACU is being requested for an emergency.
- For the planned events, cities/towns will submit email requests to OEM stating event name and date(s). OEM will circulate those requests among the region to keep everyone in the loop, but events will be assigned on a first-come, first-served basis. Where two events are submitted simultaneously, the CIKR would decide as a group which community would receive the MACU services.

**Please share your feedback at your earliest convenience on the proposed policy outlined above.**

Here are the requests I have thus far for the MACU Response Vehicle:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time.
- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Cannons Day, June 1
- (Quincy) Flag Day, June 15

**Boston, Everett, Quincy: please review and confirm that these are your top two priorities for your (2) slots in reserving the event.** (Each community only gets two requests). All other communities - if you have requests, please email them to me.

One final note: I do also have additional requests from Boston and Quincy noted in emails, however, as we are structuring this contract here, *you only may make two requests for planned events*. Therefore, the other events on your list will not be supported by this contract.

Thank you, all.  
Sarah

--

**Sarah Plowman**

Regional Planner  
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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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Thursday, May 23, 2019 3:08 PM EDT  
**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**CC:** Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Tom Bent <Tom Bent <TBent@bentelectric.com>>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Hello Tom & Eric,

I know I've spoken with each of you separately within the past few weeks, but just reaching out here again. Has all work been completed for each of your projects? If not, can you please advise when you anticipate that to be the case?

Thanks very much,  
Sarah

On Thu, Mar 28, 2019 at 8:25 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:  
Thank you, both!

On Wed, Mar 27, 2019 at 16:52 Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:  
see you then sir !  
Thank you

---

**From:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>  
**Sent:** Wednesday, March 27, 2019 4:50 PM  
**To:** Eric Johnson; Sarah Plowman  
**Cc:** Regina Collyer  
**Subject:** RE: Whidden Hospital Electrical/HVAC projects

Eric,  
How does next Wednesday April 3<sup>d</sup> at 10AM. We can meet in the lobby.

Thanks,  
Tom

Thomas Bent  
President  
Bent Electrical Contractors Inc.  
[59A Inner Belt Road](#)  
[Somerville, Ma 02143](#)  
[Office 617-628-0831 X221](#)  
Cell 617-293-1152  
Fax 617-666-3042  
IBEW Local 103

---

**From:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
**Sent:** Wednesday, March 27, 2019 9:41 AM  
**To:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Cc:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Good morning Tom can we meet onsite next week ?

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 Mar 26, 2019, at 3:02 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hi Tom & Eric,

This email serves to connect you both. Tom's company (Bent Electric) is doing the electrical wiring work necessary, and Eric is the PM for LAN-TEL's HVAC install. I know that the LAN-TEL project's completion depends upon the electrical work, but in a conversation with Tom today he also noted that you both need to coordinate where everything is going and that he'll be doing the final wiring as well.

I know we're on a tight timetable with the grant funding expiring in June and the temperatures heating up in May, so the plan is for an April wrap up for all of this as close as that is possible. I know Tom has already reached out to the hospital for scheduling purposes. If either of you run into any hang ups where that is concerned, please let me know. I'm also cc'ing Sgt. Gina Collyer of Everett PD who is the local point of contact for the project. She can also assist in aligning things with the hospital if necessary. She's worked with Sgt. Jeff Gilmore, who has spoken with both of you about this project when we were planning for it last year.

Thanks very much to you all,  
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One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
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**From:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Sent:** Thursday, May 23, 2019 3:26 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Tom Bent <Tom Bent <TBent@bentelectric.com>>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

I believe we are ready to fire up AC I will check

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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**Security Project Manager**

▢

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

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

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Mayor's Office of Emergency Management  
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**From:** Sarah Plowman <sarah.plowman@boston.gov>

**Sent:** Friday, May 24, 2019 12:08 PM EDT

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

**BCC:** John Surette <John Surette <john.surette@pd.boston.gov>>; Brett Haynes <Brett Haynes <brett.haynes@boston.gov>>; Chuck Wade <Chuck Wade <chuck@interisle.net>>; Colin Strutt <Colin Strutt <colin@interisle.net>>; Dan Rothman <Dan Rothman <dan.rothman@boston.gov>>; Ed Hernandez Sr. <Ed Hernandez Sr. <ehernandez@chelseama.gov>>; 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>>; Jim Fitzpatrick <Jim Fitzpatrick <jim.fitzpatrick@pd.boston.gov>>; John Goodwin <John Goodwin <jgoodwin@town.winthrop.ma.us>>; Keith Vetreno <Keith Vetreno <kvetreno@chelseama.gov>>; Kristopher Gaff <Kristopher Gaff <kristopher.gaff@cityofeverett.org>>; Linda Calnan <Linda Calnan <linda.calnan@boston.gov>>; Meredith Willis <Meredith Willis <mwillis@police.somerville.ma.us>>; Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Robert Griffin <Robert Griffin <rgriffin@chelseama.gov>>; Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Shannon LeColst <Shannon LeColst <shannon.lecolst@boston.gov>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Stan Reichgott <Stan Reichgott <sreichgott@brooklinema.gov>>; Stephen Maywalt <Stephen Maywalt <smaywalt@cambridgema.gov>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Timothy Mitsakis <Timothy Mitsakis <tmitsakis@police.somerville.ma.us>>; Wayne Carter <Wayne Carter <wcarter@town.winthrop.ma.us>>

**Subject:** Reminder! UASI PSnet mtg Tuesday, June 4 (1pm)

**Attachment(s):** "4.23.19 PSNEC mtg minutes DRAFT.doc"

Hello PSnet folks,

Just a reminder that we are gathering **Tuesday, June 4, at 1pm (for one hour!) at the Quincy Police Dept.** A few things for you:

- The meeting will be short and sweet - only one hour.
- I've attached the meeting minutes from April for your review.

Thanks!

Sarah

--

**Sarah Plowman**

Regional Planner

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, May 24, 2019 1:56 PM EDT

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

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

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

**Attachment(s):** "KQPS165.pdf", "KQJV899.pdf"

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 Pasciocco 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> wrote:

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

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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.

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In terms of other priority sites, the ones that Eric and I agreed on are Walnut Park (Egleston Tower), Mather School, and Pasciocco 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...  
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Chuck Wade, Principal  
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Hi Chuck and all,

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

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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.

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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 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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**Sarah Plowman**

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Friday, May 24, 2019 2:00 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "smime.p7s"

Sarah,

And thank you, as well! This is good news. Experience shows us that investments in power management really do improve the overall reliability and resilience of the network.

Have a great Memorial Day weekend...  
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On 5/24/19 1:56 PM, Sarah Plowman wrote:

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.

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

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- **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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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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**Sarah Plowman**  
Regional Planner  
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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**Sarah Plowman**  
Regional Planner  
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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Fax: 617.635.2974

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**Sarah Plowman**

Regional Planner  
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:** Colin Strutt <colin@interisle.net>  
**Sent:** Friday, May 24, 2019 2:04 PM EDT  
**To:** Sarah Plowman <'Sarah Plowman' <sarah.plowman@boston.gov>>; Chuck Wade <'Chuck Wade' <Chuck@interisle.net>>  
**CC:** 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: Planning for new Tripp Lite PDU/UPS order

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>  
**Sent:** Friday, May 24, 2019 1:57 PM  
**To:** Chuck Wade <Chuck@interisle.net>  
**Cc:** Eric Johnson <EJohnson@lan-tel.com>; Colin Strutt <Colin@interisle.net>; Fred Goldstein <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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Chuck Wade, Principal  
Interisle Consulting Group  
+1 508 435-3050 Office  
+1 508 277-6439 Mobile

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.**
- **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.
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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:

- 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.
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- 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.

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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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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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**Sarah Plowman**

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

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

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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:** Friday, May 24, 2019 2:07 PM EDT  
**To:** JOSEPH PEPJONOVICH <JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov>>  
**CC:** Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; RICHARD B MCCUSKER <RICHARD B MCCUSKER <RMCCUSKER@quincyma.gov>>; Johnson, Eric  
**Subject:** Re: Fw: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hi Joe,

Thanks for the email. The contract documents are being signed right now; if all goes well the contract will be live by June 1! The way we have the contract set up, each community can request TWO events during the contract year. My last list has Quincy requesting Flag Day Parade (June 6 -- which hopefully will be no problem) and the Christmas Parade on Dec 12). Are you now wanting to update those dates to June 16 and December 1? Re: July 4 - you've already put in for two requests so you would be ineligible for this date.

We'll keep you all posted with contract finalization and calendar request schedules.

Thanks very much,  
Sarah

On Thu, May 23, 2019 at 12:44 PM JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov> wrote:

Sarah,

Quincy wants to make sure the Lan-Tel MACU vehicle will be available for the following dates as previously noted:

Saturday June 16 from 3-10pm

Sunday December 1 from 9-3pm

We would also be appreciative if the MACU would be available for Wednesday July 3rd from 4-10pm

Thanks,  
Joe

---

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

**Sent:** Thursday, March 14, 2019 10:12 AM

**To:** Regina Collyer

**Cc:** ROBERT P GILLAN; Ahern, Thomas; ALLY SLEIMAN; Brian Gover; Chief Gerald Reardon; Chief Terence Delehanty; Christopher Ward; Dan Rothman; Greg McCarthy; James Guido; Jim Fitzpatrick; John Daley; John Goodwin; Keith Houghton; Keith Vetreno; Kevin McGoldrick; Linda Calnan; Lt. Richard Lavey; Matthew Kervin; Meredith Willis; Mike Kiely; Nicholas Goon; Pam Monziona; Paul Sheehan; Robert Griffin; Ryan McGovern; Salvatore Fusco; Scott Wilder; Shannon LeColst; Shawn Romanoski; Stephen A Ahern (Deputy); Steven Ford; Timothy Connolly; Timothy Mitsakis; Tony Carli; Wayne Carter; White, Kathryn; JOSEPH PEPJONOVICH; Brenda Jones

**Subject:** Re: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello again everyone,

A few updates on the MACU response vehicle. See below for most current "request calendar" dates. But please note - we are still determining how to contract for this service. LAN-TEL has informed me that it is not offered via state contract and therefore we will likely have to do an IFB (invitation for bids). Additionally I am working with Brenda to get all of the necessary approvals. Finally, we will need LAN-TEL to provide us a SOP for vehicle use, in addition to our own draft policy. All of that said -- this will not be an immediate process. For those of you with spring request dates, I will "hold" those for next year's calendar if you like. For those of you with summer dates (especially June), I will do my best to keep this moving forward, but please note for **all** of the requests, they are, at this point, just *requests*. Not until we have an actual contract can I confirm that your jurisdiction will have the MACU for these dates. In light of that, for those of you who have already submitted spring/early summer dates, feel free to email me again late summer/fall dates to add on, and I'll keep a running list. We can start confirming the calendar just as soon as we have a contract.

Thanks,  
Sarah

Current list, this time organized chronologically:

- (International Worker's Day - May 1 - Chelsea) <-- This date is too soon. We'll need a replacement date.
- (Flag Day Parade - June 6 - Quincy) <-- This might be cutting it close...
- (Pride Parade - June 8 - Boston) <-- This might be cutting it close...
- (Casino Opening Day - June 23 - Everett) <-- Maybe we would have something by this time
- (Somerville Fireworks - June 27 - Somerville) <-- Maybe we would have something by this time
- Fourth of July - July 4 - Boston
- Sand Castles - July 26-28 - Revere

- Boston Caribbean Festival/Carnival - August 29? - Boston
- River Fest @ Assembly Road - September 7 - Somerville
- Caribbean Festival - September 8 - Cambridge
- Everett City Festival - September 14 - Everett
- Christmas Day Parade - December 12 - Quincy
- (First Night - December 31 - Boston) <-- Adding this if the first Boston day doesn't work.

On Tue, Mar 12, 2019 at 10:47 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:  
Here's the updated list for the vehicle requests:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time
- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Christmas Day Parade, December 12
- (Quincy) Flag Day Parade, June 6
- (Everett) Everett City Festival, September 14
- \*maybe\* (Cambridge) Caribbean Festival, September ?
- (Somerville), Somerville's Fireworks, June 27
- (Chelsea) International Worker's Day, May 1

On Wed, Mar 6, 2019 at 10:36 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:  
Yes, Sgt. Collyer. All - here's the currently updated list:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time
- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Christmas Day Parade, December 12
- (Quincy) Flag Day Parade, June 6
- (Everett) Everett City Festival, September 14

Thanks again to all. I'll send out updated lists every so often as I get more requests. Again, if you have concerns with the draft policy please let me know that, too.

On Wed, Mar 6, 2019 at 10:00 AM Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)> wrote:  
Hello Sarah, can you also add September 14th for the Everett City Festival. Thank you- Gina

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**From:** LT Bob Gillan [[rgillan@quincyma.gov](mailto:rgillan@quincyma.gov)]  
**Sent:** Wednesday, March 6, 2019 8:45 AM  
**To:** 'Sarah Plowman'; 'Ahern, Thomas'; 'Ally Sleiman'; 'Brian Gover'; 'Chief Gerald Reardon'; 'Chief Terence Delehanty'; 'Christopher Ward'; 'Dan Rothman'; 'Greg McCarthy'; 'James Guido'; 'Jim Fitzpatrick'; 'John Daley'; 'John Goodwin'; 'Keith Houghton'; 'Keith Vetreno'; 'Kevin McGoldrick'; 'Linda Calnan'; 'Lt. Richard Lavey'; 'Matthew Kervin'; 'Meredith Willis'; 'Mike Kiely'; 'Nicholas Goon'; 'Pam Monziona'; 'Paul Sheehan'; 'Regina Collyer'; 'Robert Griffin'; 'Ryan McGovern'; 'Salvatore Fusco'; 'Scott Wilder'; 'Shannon LeColst'; 'Shawn Romanoski'; 'Stephen A Ahern (Deputy)'; 'Steven Ford'; 'Timothy Connolly'; 'Timothy Mitsakis'; 'Tony Carli'; 'Wayne Carter'; 'White, Kathryn'; 'Joe P'  
**Cc:** 'Brenda Jones'  
**Subject:** RE: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello Sarah

Please reserve the following two days for the City of Quincy's use of the subject vehicle

- 1- Christmas Day Parade 12 December
- 2- Flag Day Parade 6 June

Many Thanks

Bob Gillan

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

**Sent:** Tuesday, March 5, 2019 16:52 PM

**To:** Ahern, Thomas <[TAhern@cambridgepolice.org](mailto:TAhern@cambridgepolice.org)>; Ally Sleiman <[asleiman@quincyma.gov](mailto:asleiman@quincyma.gov)>; Bob Gillan <[rgillan@quincyma.gov](mailto:rgillan@quincyma.gov)>; Brian Gover <[bgover@cambridgefire.org](mailto:bgover@cambridgefire.org)>; Chief Gerald Reardon <[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)>; Chief Terence Delehanty <[tdelehanty@town.winthrop.ma.us](mailto:tdelehanty@town.winthrop.ma.us)>; Christopher Ward <[cward@police.somerville.ma.us](mailto:cward@police.somerville.ma.us)>; Dan Rothman <[dan.rothman@boston.gov](mailto:dan.rothman@boston.gov)>; Greg McCarthy <[greg.mccarthy@boston.gov](mailto:greg.mccarthy@boston.gov)>; James Guido <[jguido@reverepolice.org](mailto:jguido@reverepolice.org)>; Jim Fitzpatrick <[jim.fitzpatrick@pd.boston.gov](mailto:jim.fitzpatrick@pd.boston.gov)>; John Daley <[John.Daley@pd.boston.gov](mailto:John.Daley@pd.boston.gov)>; John Goodwin <[jgoodwin@town.winthrop.ma.us](mailto:jgoodwin@town.winthrop.ma.us)>; Keith Houghton <[khoughton@chelseama.gov](mailto:khoughton@chelseama.gov)>; Keith Vetreno <[kvetreno@chelseama.gov](mailto:kvetreno@chelseama.gov)>; Kevin McGoldrick <[Kevin.mcgoldrick@pd.boston.gov](mailto:Kevin.mcgoldrick@pd.boston.gov)>; Linda Calnan <[linda.calnan@boston.gov](mailto:linda.calnan@boston.gov)>; Lt. Richard Lavey <[rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us)>; Matthew Kervin <[matthew.kervin@pd.boston.gov](mailto:matthew.kervin@pd.boston.gov)>; Meredith Willis <[mwillis@police.somerville.ma.us](mailto:mwillis@police.somerville.ma.us)>; Mike Kiely <[mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us)>; Nicholas Goon <[ngoos@brooklinema.gov](mailto:ngoos@brooklinema.gov)>; Pam Monziona <[pmonziona@chelseama.gov](mailto:pmonziona@chelseama.gov)>; Paul Sheehan <[psheehan@cambridgefire.org](mailto:psheehan@cambridgefire.org)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>; Robert Griffin <[rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov)>; Ryan McGovern <[ryan.mcgovern@boston.gov](mailto:ryan.mcgovern@boston.gov)>; Salvatore Fusco <[sfusco@police.somerville.ma.us](mailto:sfusco@police.somerville.ma.us)>; Scott Wilder <[swilder@brooklinema.gov](mailto:swilder@brooklinema.gov)>; Shannon LeColst <[shannon.lecolst@boston.gov](mailto:shannon.lecolst@boston.gov)>; Shawn Romanoski <[Shawn.Romanoski@pd.boston.gov](mailto:Shawn.Romanoski@pd.boston.gov)>; Stephen A Ahern (Deputy) <[saahern@cambridgepolice.org](mailto:saahern@cambridgepolice.org)>; Steven Ford <[sford@reverepolice.org](mailto:sford@reverepolice.org)>; Timothy Connolly <[timothy.connolly@pd.boston.gov](mailto:timothy.connolly@pd.boston.gov)>; Timothy Mitsakis <[tmitsakis@police.somerville.ma.us](mailto:tmitsakis@police.somerville.ma.us)>; Tony Carli <[tony.carli@cityofeverett.org](mailto:tony.carli@cityofeverett.org)>; Wayne Carter <[wcarter@town.winthrop.ma.us](mailto:wcarter@town.winthrop.ma.us)>; White, Kathryn <[Kathryn.White@mwwra.com](mailto:Kathryn.White@mwwra.com)>

**Cc:** Brenda Jones <[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>

**Subject:** LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello CIKR members,

Per our conversation at the meeting last week, I'm sending this email out that recaps the draft MBHSR request/calendar policy for the LAN-TEL MACU Response Vehicle. Please review and respond with any concerns. **If there are no concerns I will consider that to be an agreement to move ahead with drawing up contract documents that reflect these policies.**

First, context:

- There is \$70,500 allocated in the FFY18 grant for this project.
- LAN-TEL has communicated that each event will be a flat rate fee of \$2,500.
- Doing the math, \$2,500 goes into \$70,500 approximately 28 times. And 9 cities/towns goes into 28 uses approximately 3 times.

Therefore, the MBHSR MACU Response Vehicle policy would state:

- Under this \$70,500 contract, each of the 9 MBHSR cities/towns would be allowed to request the MACU for two (2) planned events. ( $9 \times 2 = 18$  MACU uses)
- The remaining 10 uses would be held in reserve for emergency incidents, to be used as needed on a first-come, first-served bases region-wide. To track this, a city/town must notify OEM as well as LAN-TEL when the MACU is being requested for an emergency.
- For the planned events, cities/towns will submit email requests to OEM stating event name and date(s). OEM will circulate those requests among the region to keep everyone in the loop, but events will be assigned on a first-come, first-served basis. Where two events are submitted simultaneously, the CIKR would decide as a group which community would receive the MACU services.

**Please share your feedback at your earliest convenience on the proposed policy outlined above.**

Here are the requests I have thus far for the MACU Response Vehicle:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time.
- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Cannons Day, June 1
- (Quincy) Flag Day, June 15

**Boston, Everett, Quincy: please review and confirm that these are your top two priorities for your (2) slots in reserving the event.** (Each community only gets two requests). All other communities - if you have requests, please email them to me.

One final note: I do also have additional requests from Boston and Quincy noted in emails, however, as we are structuring this contract here, *you only may make two requests for planned events*. Therefore, the other events on your list will not be supported by this contract.

Thank you, all.

Sarah

--

**Sarah Plowman**

Regional Planner

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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**Sarah Plowman**

Regional Planner

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**

Regional Planner

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

Fax: 617.635.2974

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

**Sent:** Friday, May 24, 2019 2:07 PM EDT

**To:** Colin Strutt <Colin Strutt <colin@interisle.net>>

**CC:** Chuck Wade <Chuck Wade <Chuck@interisle.net>>; 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: Planning for new Tripp Lite PDU/UPS order

Ooh thanks for the catch!

On Fri, May 24, 2019 at 2:05 PM Colin Strutt <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>

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

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

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

---

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

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.

- 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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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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**Sarah Plowman**

Regional Planner

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**

Regional Planner

Mayor's Office of Emergency Management

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Mayor's Office of Emergency Management

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Mayor's Office of Emergency Management

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Friday, May 24, 2019 2:17 PM EDT  
**To:** Sarah Plowman <Sarah.Plowman@boston.gov>; Colin Strutt <Colin.Strutt@interisle.net>  
**CC:** Eric Johnson <Eric.Johnson@lan-tel.com>; Fred Goldstein <Fred.Goldstein@interisle.net>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "smime.p7s"

Sarah,

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[www.interisle.net](http://www.interisle.net)

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**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)>  
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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.

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**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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Unable to Process

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**Sent:** Friday, May 24, 2019 2:20 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>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>

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

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The workbook is organized into three tabs as follows:

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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.
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- 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.

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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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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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**Sarah Plowman**

Regional Planner  
Mayor's Office of Emergency Management  
Boston City Hall, Room 204  
  
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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Friday, May 24, 2019 2:24 PM 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>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "smime.p7s"

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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Chuck Wade, Principal  
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+1 508 435-3050 Office  
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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, 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)>

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

...Chuck

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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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**Sarah Plowman**

Regional Planner

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**

Regional Planner

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

Fax: 617.635.2974

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

**Sent:** Friday, May 24, 2019 2:24 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>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>

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

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

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

---

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

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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+1 508 435-3050 Office  
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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.**
- **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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Interisle Consulting Group  
+1 508 435-3050 Office  
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**Sarah Plowman**

Regional Planner

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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Mayor's Office of Emergency Management  
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Phone: 617.635.1400  
Fax: 617.635.2974



**From:** JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov>  
**Sent:** Friday, May 24, 2019 4:44 PM EDT  
**To:** Sarah Plowman <Sarah.Plowman@boston.gov>  
**CC:** Scott Wilder <swilder@brooklinema.gov>; RICHARD B MCCUSKER <RICHARD B MCCUSKER@quincyma.gov>; Johnson, Eric  
**Subject:** RE: Fw: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Sarah,

Flag day is June 15<sup>th</sup>

Christmas parade is Dec 1<sup>st</sup>

I think the dates you have were for last years events.

Was thinking July 3<sup>rd</sup> would be a bonus if another department didn't use 2 of the days allotted- no biggie if we can't have it.

Thanks,

Joe

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Friday, May 24, 2019 2:07 PM  
**To:** JOSEPH PEPJONOVICH <JPEPJONOVICH@quincyma.gov>  
**Cc:** Scott Wilder <swilder@brooklinema.gov>; RICHARD B MCCUSKER <RMCCUSKER@quincyma.gov>; Johnson, Eric <ejohnson@lan-tel.com>  
**Subject:** Re: Fw: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hi Joe,

Thanks for the email. The contract documents are being signed right now; if all goes well the contract will be live by June 1! The way we have the contract set up, each community can request TWO events during the contract year. My last list has Quincy requesting Flag Day Parade (June 6 -- which hopefully will be no problem) and the Christmas Parade on Dec 12). Are you now wanting to update those dates to June 16 and December 1? Re: July 4 - you've already put in for two requests so you would be ineligible for this date.

We'll keep you all posted with contract finalization and calendar request schedules.

Thanks very much,  
Sarah

On Thu, May 23, 2019 at 12:44 PM JOSEPH PEPJONOVICH <[JPEPJONOVICH@quincyma.gov](mailto:JPEPJONOVICH@quincyma.gov)> wrote:

Sarah,

Quincy wants to make sure the Lan-Tel MACU vehicle will be available for the following dates as previously noted:

Saturday June 16 from 3-10pm

Sunday December 1 from 9-3pm

We would also be appreciative if tye MACU would be available for Wednesday July 3rd from 4-10pm

Thanks,  
Joe

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**From:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Sent:** Thursday, March 14, 2019 10:12 AM  
**To:** Regina Collyer  
**Cc:** ROBERT P GILLAN; Ahern, Thomas; ALLY SLEIMAN; Brian Gover; Chief Gerald Reardon; Chief Terence Delehanty; Christopher Ward; Dan Rothman; Greg McCarthy; James Guido; Jim Fitzpatrick; John Daley; John Goodwin; Keith Houghton; Keith Vetreno; Kevin McGoldrick; Linda Calnan; Lt. Richard Lavey; Matthew Kervin; Meredith Willis; Mike Kiely; Nicholas Goon; Pam Monziona; Paul Sheehan; Robert Griffin; Ryan McGovern; Salvatore Fusco; Scott Wilder; Shannon LeColst; Shawn Romanoski; Stephen A Ahern (Deputy); Steven Ford; Timothy Connolly; Timothy Mitsakis; Tony Carli; Wayne Carter; White, Kathryn; JOSEPH PEPJONOVICH; Brenda Jones  
**Subject:** Re: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello again everyone,

A few updates on the MACU response vehicle. See below for most current "request calendar" dates. But please note - we are still

determining how to contract for this service. LAN-TEL has informed me that it is not offered via state contract and therefore we will likely have to do an IFB (invitation for bids). Additionally I am working with Brenda to get all of the necessary approvals. Finally, we will need LAN-TEL to provide us a SOP for vehicle use, in addition to our own draft policy. All of that said -- this will not be an immediate process. For those of you with spring request dates, I will "hold" those for next year's calendar if you like. For those of you with summer dates (especially June), I will do my best to keep this moving forward, but please note for **all** of the requests, they are, at this point, just *requests*. Not until we have an actual contract can I confirm that your jurisdiction will have the MACU for these dates. In light of that, for those of you who have already submitted spring/early summer dates, feel free to email me again late summer/fall dates to add on, and I'll keep a running list. We can start confirming the calendar just as soon as we have a contract.

Thanks,  
Sarah

Current list, this time organized chronologically:

- (International Worker's Day - May 1 - Chelsea) <-- This date is too soon. We'll need a replacement date.
- (Flag Day Parade - June 6 - Quincy) <-- This might be cutting it close...
- (Pride Parade - June 8 - Boston) <-- This might be cutting it close...
- (Casino Opening Day - June 23 - Everett) <-- Maybe we would have something by this time
- (Somerville Fireworks - June 27 - Somerville) <-- Maybe we would have something by this time
- Fourth of July - July 4 - Boston
- Sand Castles - July 26-28 - Revere
- Boston Caribbean Festival/Carnival - August 29? - Boston
- River Fest @ Assembly Road - September 7 - Somerville
- Caribbean Festival - September 8 - Cambridge
- Everett City Festival - September 14 - Everett
- Christmas Day Parade - December 12 - Quincy
- (First Night - December 31 - Boston) <-- Adding this if the first Boston day doesn't work.

On Tue, Mar 12, 2019 at 10:47 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Here's the updated list for the vehicle requests:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time
- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Christmas Day Parade, December 12
- (Quincy) Flag Day Parade, June 6
- (Everett) Everett City Festival, September 14
- \*maybe\* (Cambridge) Caribbean Festival, September ?
- (Somerville), Somerville's Fireworks, June 27
- (Chelsea) International Worker's Day, May 1

On Wed, Mar 6, 2019 at 10:36 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Yes, Sgt. Collyer. All - here's the currently updated list:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time
- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Christmas Day Parade, December 12
- (Quincy) Flag Day Parade, June 6
- (Everett) Everett City Festival, September 14

Thanks again to all. I'll send out updated lists every so often as I get more requests. Again, if you have concerns with the draft policy please let me know that, too.

On Wed, Mar 6, 2019 at 10:00 AM Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)> wrote:

Hello Sarah, can you also add September 14th for the Everett City Festival. Thank you- Gina

---

**From:** LT Bob Gillan [[rgillan@quincyma.gov](mailto:rgillan@quincyma.gov)]

**Sent:** Wednesday, March 6, 2019 8:45 AM

**To:** 'Sarah Plowman'; 'Ahern, Thomas'; 'Ally Sleiman'; 'Brian Gover'; 'Chief Gerald Reardon'; 'Chief Terence Delehanty'; 'Christopher Ward'; 'Dan Rothman'; 'Greg McCarthy'; 'James Guido'; 'Jim Fitzpatrick'; 'John Daley'; 'John Goodwin'; 'Keith Houghton'; 'Keith Vetreno'; 'Kevin McGoldrick'; 'Linda Calnan'; 'Lt. Richard Lavey'; 'Matthew Kervin'; 'Meredith Willis'; 'Mike Kiely'; 'Nicholas Goon'; 'Pam Monziona'; 'Paul Sheehan'; 'Regina Collyer'; 'Robert Griffin'; 'Ryan McGovern'; 'Salvatore Fusco'; 'Scott Wilder'; 'Shannon LeColst'; 'Shawn Romanoski'; 'Stephen A Ahern (Deputy)'; 'Steven Ford'; 'Timothy Connolly'; 'Timothy Mitsakis'; 'Tony Carli'; 'Wayne Carter'; 'White, Kathryn'; 'Joe P

**Cc:** 'Brenda Jones'

**Subject:** RE: LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello Sarah

Please reserve the following two days for the City of Quincy's use of the subject vehicle

- 1- Christmas Day Parade 12 December
- 2- Flag Day Parade 6 June

Many Thanks

Bob Gillan

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

**Sent:** Tuesday, March 5, 2019 16:52 PM

**To:** Ahern, Thomas <[TAhern@cambridgepolice.org](mailto:TAhern@cambridgepolice.org)>; Ally Sleiman <[asleiman@quincyma.gov](mailto:asleiman@quincyma.gov)>; Bob Gillan <[rgillan@quincyma.gov](mailto:rgillan@quincyma.gov)>; Brian Gover <[bgover@cambridgefire.org](mailto:bgover@cambridgefire.org)>; Chief Gerald Reardon <[greardon@cambridgefire.org](mailto:greardon@cambridgefire.org)>; Chief Terence Delehanty <[tdelehanty@town.winthrop.ma.us](mailto:tdelehanty@town.winthrop.ma.us)>; Christopher Ward <[cward@police.somerville.ma.us](mailto:cward@police.somerville.ma.us)>; Dan Rothman <[dan.rothman@boston.gov](mailto:dan.rothman@boston.gov)>; Greg McCarthy <[greg.mccarthy@boston.gov](mailto:greg.mccarthy@boston.gov)>; James Guido <[jguido@reverepolice.org](mailto:jguido@reverepolice.org)>; Jim Fitzpatrick <[jim.fitzpatrick@pd.boston.gov](mailto:jim.fitzpatrick@pd.boston.gov)>; John Daley <[John.Daley@pd.boston.gov](mailto:John.Daley@pd.boston.gov)>; John Goodwin <[jgoodwin@town.winthrop.ma.us](mailto:jgoodwin@town.winthrop.ma.us)>; Keith Houghton <[khoughton@chelseama.gov](mailto:khoughton@chelseama.gov)>; Keith Vetreno <[kvetreno@chelseama.gov](mailto:kvetreno@chelseama.gov)>; Kevin McGoldrick <[Kevin.mcgoldrick@pd.boston.gov](mailto:Kevin.mcgoldrick@pd.boston.gov)>; Linda Calnan <[linda.calnan@boston.gov](mailto:linda.calnan@boston.gov)>; Lt. Richard Lavey <[rlavey@police.somerville.ma.us](mailto:rlavey@police.somerville.ma.us)>; Matthew Kervin <[matthew.kervin@pd.boston.gov](mailto:matthew.kervin@pd.boston.gov)>; Meredith Willis <[mwillis@police.somerville.ma.us](mailto:mwillis@police.somerville.ma.us)>; Mike Kiely <[mkiely@police.somerville.ma.us](mailto:mkiely@police.somerville.ma.us)>; Nicholas Goon <[ngoos@brooklinema.gov](mailto:ngoos@brooklinema.gov)>; Pam Monziona <[pmonziona@chelseama.gov](mailto:pmonziona@chelseama.gov)>; Paul Sheehan <[psheehan@cambridgefire.org](mailto:psheehan@cambridgefire.org)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>; Robert Griffin <[rgriffin@chelseama.gov](mailto:rgriffin@chelseama.gov)>; Ryan McGovern <[ryan.mcgovern@boston.gov](mailto:ryan.mcgovern@boston.gov)>; Salvatore Fusco <[sfusco@police.somerville.ma.us](mailto:sfusco@police.somerville.ma.us)>; Scott Wilder <[swilder@brooklinema.gov](mailto:swilder@brooklinema.gov)>; Shannon LeColst <[shannon.lecolst@boston.gov](mailto:shannon.lecolst@boston.gov)>; Shawn Romanoski <[Shawn.Romanoski@pd.boston.gov](mailto:Shawn.Romanoski@pd.boston.gov)>; Stephen A Ahern (Deputy) <[saahern@cambridgepolice.org](mailto:saahern@cambridgepolice.org)>; Steven Ford <[sford@reverepolice.org](mailto:sford@reverepolice.org)>; Timothy Connolly <[timothy.connolly@pd.boston.gov](mailto:timothy.connolly@pd.boston.gov)>; Timothy Mitsakis <[tmitsakis@police.somerville.ma.us](mailto:tmitsakis@police.somerville.ma.us)>; Tony Carli <[tony.carli@cityofeverett.org](mailto:tony.carli@cityofeverett.org)>; Wayne Carter <[wcarter@town.winthrop.ma.us](mailto:wcarter@town.winthrop.ma.us)>; White, Kathryn <[Kathryn.White@mwra.com](mailto:Kathryn.White@mwra.com)>

**Cc:** Brenda Jones <[brenda.jones@boston.gov](mailto:brenda.jones@boston.gov)>

**Subject:** LAN-TEL MACU/Response Vehicle draft policy, calendar, & next steps

Hello CIKR members,

Per our conversation at the meeting last week, I'm sending this email out that recaps the draft MBHSR request/calendar policy for the LAN-TEL MACU Response Vehicle. Please review and respond with any concerns. **If there are no concerns I will consider that to be an agreement to move ahead with drawing up contract documents that reflect these policies.**

First, context:

- There is \$70,500 allocated in the FFY18 grant for this project.
- LAN-TEL has communicated that each event will be a flat rate fee of \$2,500.
- Doing the math, \$2,500 goes into \$70,500 approximately 28 times. And 9 cities/towns goes into 28 uses approximately 3 times.

Therefore, the MBHSR MACU Response Vehicle policy would state:

- Under this \$70,500 contract, each of the 9 MBHSR cities/towns would be allowed to request the MACU for two (2) planned events. ( $9 \times 2 = 18$  MACU uses)
- The remaining 10 uses would be held in reserve for emergency incidents, to be used as needed on a first-come, first-served bases region-wide. To track this, a city/town must notify OEM as well as LAN-TEL when the MACU is being requested for an emergency.
- For the planned events, cities/towns will submit email requests to OEM stating event name and date(s). OEM will circulate those requests among the region to keep everyone in the loop, but events will be assigned on a first-come, first-served basis. Where two events are submitted simultaneously, the CIKR would decide as a group which community would receive the MACU services.

**Please share your feedback at your earliest convenience on the proposed policy outlined above.**

Here are the requests I have thus far for the MACU Response Vehicle:

- (Revere) Sand Castles, July 26-28
- (Everett) Casino Opening Day, June 23
- (Boston) Boston Marathon, April 15 -- if the contract is in place in time.
- (Boston) Pride Parade, June 8
- If the contract isn't ready by Marathon, Boston's next request is 4th of July.
- (Quincy) Cannons Day, June 1
- (Quincy) Flag Day, June 15

**Boston, Everett, Quincy: please review and confirm that these are your top two priorities for your (2) slots in reserving the event.** (Each community only gets two requests). All other communities - if you have requests, please email them to me.

One final note: I do also have additional requests from Boston and Quincy noted in emails, however, as we are structuring this contract here, *you only may make two requests for planned events*. Therefore, the other events on your list will not be supported by this contract.

Thank you, all.  
Sarah

--

**Sarah Plowman**

Regional Planner  
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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**Sarah Plowman**

Regional Planner  
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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Regional Planner  
Mayor's Office of Emergency Management  
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Regional Planner  
Mayor's Office of Emergency Management  
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**Sarah Plowman**

Regional Planner  
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:** Tom Bent <TBent@bentelectric.com>

**Sent:** Saturday, May 25, 2019 4:55 PM EDT

**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>

**CC:** Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>

**Subject:** RE: Whidden Hospital Electrical/HVAC projects

Sarah,  
Our work is complete.

Thanks,  
Tom

Thomas Bent  
President  
Bent Electrical Contractors Inc.  
59A Inner Belt Road  
Somerville, Ma 02143  
Office 617-628-0831 X221  
Cell 617-293-1152  
Fax 617-666-3042  
IBEW Local 103

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

**Sent:** Thursday, May 23, 2019 3:08 PM

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

**Cc:** Regina Collyer <regina.collyer@cityofeverett.org>; Tom Bent <TBent@bentelectric.com>

**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Hello Tom & Eric,

I know I've spoken with each of you separately within the past few weeks, but just reaching out here again. Has all work been completed for each of your projects? If not, can you please advise when you anticipate that to be the case?

Thanks very much,  
Sarah

On Thu, Mar 28, 2019 at 8:25 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thank you, both!

On Wed, Mar 27, 2019 at 16:52 Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:

see you then sir !  
Thank you

---

**From:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>

**Sent:** Wednesday, March 27, 2019 4:50 PM

**To:** Eric Johnson; Sarah Plowman

**Cc:** Regina Collyer

**Subject:** RE: Whidden Hospital Electrical/HVAC projects

Eric,  
How does next Wednesday April 3<sup>d</sup> at 10AM. We can meet in the lobby.

Thanks,  
Tom

Thomas Bent  
President  
Bent Electrical Contractors Inc.  
[59A Inner Belt Road](#)  
[Somerville, Ma 02143](#)  
[Office 617-628-0831 X221](#)  
Cell 617-293-1152  
Fax 617-666-3042  
IBEW Local 103

---

**From:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
**Sent:** Wednesday, March 27, 2019 9:41 AM  
**To:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Cc:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Good morning Tom can we meet onsite next week ?

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 Mar 26, 2019, at 3:02 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hi Tom & Eric,

This email serves to connect you both. Tom's company (Bent Electric) is doing the electrical wiring work necessary, and Eric is the PM for LAN-TEL's HVAC install. I know that the LAN-TEL project's completion depends upon the electrical work, but in a conversation with Tom today he also noted that you both need to coordinate where everything is going and that he'll be doing the final wiring as well.

I know we're on a tight timetable with the grant funding expiring in June and the temperatures heating up in May, so the plan is for an April wrap up for all of this as close as that is possible. I know Tom has already reached out to the hospital for scheduling purposes. If either of you run into any hang ups where that is concerned, please let me know. I'm also cc'ing Sgt. Gina Collyer of Everett PD who is the local point of contact for the project. She can also assist in aligning things with the hospital if necessary. She's worked with Sgt. Jeff Gilmore, who has spoken with both of you about this project when we were planning for it last year.

Thanks very much to you all,  
Sarah

--

**Sarah Plowman**

Regional Planner  
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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--

**Sarah Plowman**

Regional Planner  
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**

Regional Planner  
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, May 28, 2019 9:53 AM EDT

**To:** sarah.plowman@boston.gov; Chuck Wade <Chuck@Interisle.net>; Scott Wilder <swilder@brooklinema.gov>; Colin Strutt <Colin@Interisle.net>; Fred Goldstein <Fred@Interisle.net>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Shaun Kennedy <Shaun Kennedy <skennedy@lan-tel.com>>; sfusco@police.somerville.ma.us; Tim Mitsakis <Tim Mitsakis <tmitsakis@police.somerville.ma.us>>; Jay Burke <Jay Burke <jburke@lan-tel.com>>

**Subject:** 25 Highland Somerville

All:

We are onsite at this location. We found that there is no power to the equipment . The electrician associated to the building has been notified. We are standing by for when he shows up so we can adequately re-power our equipment and no surge takes place to our equipment.

I will keep all notified.

Thanks  
Eric

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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notify the sender and delete this e-mail from your computer system.

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

**Sent:** Tuesday, May 28, 2019 5:51 PM EDT

**To:** sarah.plowman@boston.gov; Chuck Wade <Chuck Wade <Chuck@interisle.net>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>; Jim Rex <Jim Rex <jrex@lan-tel.com>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Mark Savage <Mark Savage <msavage@lan-tel.com>>; Greg Washburn <Greg Washburn <gwashburn@lan-tel.com>>; Sean Pappas <Sean Pappas <spappas@lan-tel.com>>; Shaun Kennedy <Shaun Kennedy <skennedy@lan-tel.com>>; sfusco@police.somerville.ma.us; Tim Mitsakis <Tim Mitsakis <tmitsakis@police.somerville.ma.us>>; Jay Burke <Jay Burke <jburke@lan-tel.com>>; Matthew Desmond <Matthew Desmond <MDesmond@somervillema.gov>>; Jason Brennan <Jason Brennan <jbrennan@lan-tel.com>>

**Subject:** Re: 25 Highland Somerville

All

The power was restored at approximately 2:00PM . The electrician believes that that the AC unit was the culprit and thus affecting a main breaker that affected the power to the cabinet.

We will monitor further in the event it happens again .

Everything is back up at this time

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 May 28, 2019, at 9:53 AM, Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:

All:

We are onsite at this location. We found that there is no power to the equipment . The electrician associated to the building has been notified. We are standing by for when he shows up so we can adequately re-power our equipment and no surge takes place to our equipment.

I will keep all notified.

Thanks  
Eric

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) ♣ □

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Wednesday, May 29, 2019 12:51 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "smime.p7s"

Sarah,

We are running low on the E2MTHDI environmental monitors that we use with the WEBCARDLX management cards to monitor temperature and humidity at the PSnet sites. These monitors also provide inputs to indicate when doors are opened. Here is the link to the Tripp Lite catalog page for the E2MTHDI monitors:

. <https://tripplite.com/Envirosense2-Environmental-Sensor-Module-Temperature-Humidity-Digital-Input~E2MTHDI>

If there is any potential to add some of these monitors to the order you're preparing, that would be helpful. They have a list price of around \$110 each. In the near term, we could use 4 to 6 of these.

Apologies for not flagging this sooner, but I just found out that we are down to our last couple of these monitors.

...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 5/24/19 1:56 PM, Sarah Plowman wrote:

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

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

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,			

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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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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**Sarah Plowman**  
Regional Planner  
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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**Sarah Plowman**

Regional Planner  
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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**Sarah Plowman**

Regional Planner  
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**

Regional Planner  
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:** Roger Salisbury <rsalisbury@tellus.us>  
**Sent:** Friday, May 31, 2019 6:11 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>  
**Subject:** LAN-TEL/Tellus Project update

Hi Sarah,

As promised, here's the project update with all the remaining tasks from my perspective:

- **Connect Somerville FD/PD CAD to the Hub:**
  - We expected to be done by now but have had a snag. We have the CAD adapter installed and all the networking figured out, but the queries that were previously vetted out are no longer working. The data schema seems to have changed. We have a CAD vendor resource engaged and he seems to be reasonably responsive.
  - **ETA:** I'd say this task is 75% complete at this point with an expectation that it will be complete mid week next week.
- **Connect Northeast U CAD to the Hub:**
  - We're a little behind on this. It should be a straight forward implementation as soon as NU's IT team takes care of the networking. We had a conference call to lay out what needed to be done a couple of weeks ago. I have and will continue to reach out to them to move this along.
  - **ETA:** I'd say this task is 50% done and can be completed within days of NU's IT team finishing their networking. Could also be next week if I can just get them to move on their tasks.
- **Connect BRIC db for the CAD SQL feed:**
  - We did some preliminary work with the BRIC about a year ago. I think we have everything primed to get this in place but we were waiting on getting all the CADs connected first. I will engage them early next week to see if we can start working on this.
  - **ETA:** Barring unforeseen problems, this should be done in a single work session that includes Tellus, the BRIC and Interisle.
- **Fix Esri GeoCoding interface:**
  - This is a service that adds a lat/long coordinate to CAD incidents for about 3 of the participating agencies whose CAD does not provide that information. This allows it to be plotted on the Portal's map as well as enabling it to trigger Flir Camera activity (when that gets all hooked up).
  - This was working up until a couple of months ago and then Esri changed their interface I'm actually getting push-back from my engineering team that fixing what Esri broke is out-of-scope and we should charged separately for this. So far, I think I can get this fixed without any extra costs (crossing fingers).
  - **ETA:** Mid June.
- **Migrating all connectivity alerts (WatchDog Service)**
  - Our connectivity alerts notify the agency IT staff and our support staff when there is a disruption in CAD communication with Tellus.Hub. We originally set up all of our connectivity alerts in our test environment even though it is connected to each agency's live CAD system. This task is to migrate them all over to the Tellus.Hub production environment. This has no external dependencies. It will be done by a Tellus engineer.
  - **ETA:** We were waiting for all CAD connections to be established but don't have to. I will shoot for next week to have this done.

Please let me know if you have any questions on this.

--

**Roger Salisbury**

Phone: (801) 397-3973 x5146

**Tellus**

655 Medical Dr, Suite 100

Bountiful, UT 84010

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

**Sent:** Monday, June 03, 2019 12:19 PM EDT

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

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

**Subject:** Re: LAN-TEL/Tellus Project update

Thanks very much, Roger. This is helpful to know. Can you please send out a follow-up email next Monday, June 10, with updates?

Thanks again,  
Sarah

On Fri, May 31, 2019 at 6:11 PM Roger Salisbury <rsalisbury@tellus.us> wrote:

Hi Sarah,

As promised, here's the project update with all the remaining tasks from my perspective:

- **Connect Somerville FD/PD CAD to the Hub:**

- We expected to be done by now but have had a snag. We have the CAD adapter installed and all the networking figured out, but the queries that were previously vetted out are no longer working. The data schema seems to have changed. We have a CAD vendor resource engaged and he seems to be reasonably responsive.
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- **ETA:** We were waiting for all CAD connections to be established but don't have to. I will shoot for next week to have this done.

Please let me know if you have any questions on this.

**Roger Salisbury**

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Bountiful, UT 84010

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**Sarah Plowman**

Regional Planner

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:** Monday, June 03, 2019 12:20 PM EDT  
**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**CC:** Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>  
**Subject:** Re: Tellus/LAN-TEL Phase IVB wrap up

Eric,

Can you please send an email at your earliest convenience re: the updates requested below?

Thank you,  
Sarah

On Wed, May 22, 2019 at 3:52 PM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Roger, Scott, Eric,

Thanks for the update. It is my understanding that Boston is not participating in this phase of the project.

- **Scott**, if you know differently or think Boston may still be on the fence, can you please email those contact folks (copy me on the email) and request that they give a hard yes/no by May 31? If we don't hear from them by that time, we will take that to be a "no" and move to close out the project.
- **Roger**, please send an update again by May 31 to report out on Somerville and Northeastern, as well as providing a timeline for the clean-up tasks that includes a project end date from the Tellus side.
- **Eric**, please send an email by May 31 to report on the LAN-TEL end re: any final tasks on the horizon, the timeline, and a project end date from your side.

Thank you, all!  
Sarah

On Tue, May 21, 2019 at 11:12 AM Roger Salisbury <[rsalisbury@tellus.us](mailto:rsalisbury@tellus.us)> wrote:

Hi Sarah,

We're tentatively scheduled to install the CAD adapter for Somerville FD/PD this week on Thu. We believe that Northeastern's environment is nearly ready, too. We (Tellus) will then have a few clean-up tasks to migrate some of the services (ex: the BRIC SQL feed) before we close the project completely. Those shouldn't take more than a couple more weeks from now.

Boston PD/FD, on the other hand, may need to be descoped if they are not willing to participate. It was written in our SOW with LAN-TEL that if an agency doesn't step up and do their part, they would be removed from scope so as to not cause this project linger open forever. If any of you on this email have any last-ditch ideas on who to contact and what message to give in order to convince the right Boston PD/FD powers to be, I'm open to it. But I've got nothing on my side.

Thanks,  
Roger Salisbury

**Tellus**

801-397-3973 x5146

*FATPOT Technologies is now Tellus*

On 5/21/2019 7:29 AM, Sarah Plowman wrote:

Hello Eric & Roger,

Just checking in to see how Phase IVB is wrapping up. When we last emailed a month ago, Tellus was working with Somerville PD and FD. After that point, remaining was Northeastern and Boston PD/FD. Can you please let me know where we are at with this and when you anticipate sending a final invoice for the IVB portion that remains?

Thank you,  
Sarah

--

**Sarah Plowman**

Regional Planner

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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**Sarah Plowman**

Regional Planner  
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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**Sarah Plowman**

Regional Planner  
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:** Monday, June 03, 2019 12:46 PM EDT  
**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Eric,

Just following up - is the HVAC work complete? If so, can I please get a copy of the invoice?

Thank you!  
Sarah

On Thu, May 23, 2019 at 3:26 PM Eric Johnson <ejohnson@lan-tel.com> wrote:  
I believe we are ready to fire up AC I will check

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 May 23, 2019, at 3:08 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hello Tom & Eric,

I know I've spoken with each of you separately within the past few weeks, but just reaching out here again.  
Has all work been completed for each of your projects? If not, can you please advise when you anticipate that to be the case?

Thanks very much,  
Sarah

On Thu, Mar 28, 2019 at 8:25 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:  
Thank you, both!

On Wed, Mar 27, 2019 at 16:52 Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:  
see you then sir !  
Thank you

---

**From:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>  
**Sent:** Wednesday, March 27, 2019 4:50 PM  
**To:** Eric Johnson; Sarah Plowman  
**Cc:** Regina Collyer  
**Subject:** RE: Whidden Hospital Electrical/HVAC projects

Eric,  
How does next Wednesday April 3<sup>d</sup> at 10AM. We can meet in the lobby.

Thanks,  
Tom

Thomas Bent  
President  
Bent Electrical Contractors Inc.  
[59A Inner Belt Road](#)  
[Somerville, Ma 02143](#)  
[Office 617-628-0831 X221](#)  
Cell 617-293-1152  
Fax 617-666-3042  
IBEW Local 103

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**From:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
**Sent:** Wednesday, March 27, 2019 9:41 AM  
**To:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Cc:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Good morning Tom can we meet onsite next week ?

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 Mar 26, 2019, at 3:02 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hi Tom & Eric,

This email serves to connect you both. Tom's company (Bent Electric) is doing the electrical wiring work necessary, and Eric is the PM for LAN-TEL's HVAC install. I know that the LAN-TEL project's completion depends upon the electrical work, but in a conversation with Tom today he also noted that you both need to coordinate where everything is going and that he'll be doing the final wiring as well.

I know we're on a tight timetable with the grant funding expiring in June and the temperatures heating up in May, so the plan is for an April wrap up for all of this as close as that is possible. I know Tom has already reached out to the hospital for scheduling purposes. If either of you run into any hang ups where that is concerned, please let me know. I'm also cc'ing Sgt. Gina Collyer of Everett PD who is the local point of contact for the project. She can also assist in aligning things with the hospital if necessary. She's worked with Sgt. Jeff Gilmore, who has spoken with both of you about this project when we were planning for it last year.

Thanks very much to you all,  
Sarah

--

**Sarah Plowman**

Regional Planner  
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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**Sarah Plowman**

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Mayor's Office of Emergency Management  
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One City Hall Square | Boston, MA 02201  
Phone: 617.635.1400  
Fax: 617.635.2974

**From:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Sent:** Monday, June 03, 2019 1:39 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

It is complete and running I will send invoice

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 3, 2019, at 12:46 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Eric,

Just following up - is the HVAC work complete? If so, can I please get a copy of the invoice?

Thank you!  
Sarah

On Thu, May 23, 2019 at 3:26 PM Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:  
I believe we are ready to fire up AC I will check

☐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 May 23, 2019, at 3:08 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hello Tom & Eric,

I know I've spoken with each of you separately within the past few weeks, but just reaching out here again. Has all work been completed for each of your projects? If not, can you please advise when you anticipate that to be the case?

Thanks very much,  
Sarah

On Thu, Mar 28, 2019 at 8:25 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thank you, both!

On Wed, Mar 27, 2019 at 16:52 Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:  
see you then sir !  
Thank you

---

**From:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>  
**Sent:** Wednesday, March 27, 2019 4:50 PM  
**To:** Eric Johnson; Sarah Plowman  
**Cc:** Regina Collyer  
**Subject:** RE: Whidden Hospital Electrical/HVAC projects

Eric,  
How does next Wednesday April 3<sup>d</sup> at 10AM. We can meet in the lobby.

Thanks,  
Tom

Thomas Bent  
President  
Bent Electrical Contractors Inc.  
[59A Inner Belt Road](#)  
[Somerville, Ma 02143](#)  
[Office 617-628-0831 X221](#)  
Cell 617-293-1152  
Fax 617-666-3042  
IBEW Local 103

---

**From:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
**Sent:** Wednesday, March 27, 2019 9:41 AM  
**To:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Cc:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Good morning Tom can we meet onsite next week ?

▯ Respectfully,

Eric Johnson  
**Security Project Manager**

▯

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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>.

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

On Mar 26, 2019, at 3:02 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hi Tom & Eric,

This email serves to connect you both. Tom's company (Bent Electric) is doing the electrical wiring work necessary, and Eric is the PM for LAN-TEL's HVAC install. I know that the LAN-TEL project's completion depends upon the electrical work, but in a conversation with Tom today he also noted that you both need to coordinate where everything is going and that he'll be doing the final wiring as well.

I know we're on a tight timetable with the grant funding expiring in June and the temperatures heating up in May, so the plan is for an April wrap up for all of this as close as that is possible. I know Tom has already reached out to the hospital for scheduling purposes. If either of you run into any hang ups where that is concerned, please let me know. I'm also cc'ing Sgt. Gina Collyer of Everett PD who is the local point of contact for the project. She can also assist in aligning things with the hospital if necessary. She's worked with Sgt. Jeff Gilmore, who has spoken with both of you about this project when we were planning for it last year.

Thanks very much to you all,  
Sarah

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**Sarah Plowman**

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

**Sent:** Monday, June 03, 2019 7:44 PM EDT

**To:** sarah.plowman@boston.gov

**Subject:** EHP Quincy

**Attachment(s):** "Q1 - 1 Merrymount Parkway.jpg", "Q2 - Burgin Parkway & Centre St.png", "Q3 - Washington St & Southern Artery.jpg", "Q4 - Beale St & Newport Ave.jpg", "Q5 - Quincy Ave & Southern Artery.jpg", "Q6 - Hancock St & Dimmock St.jpg", "Q7 - Beale St & Adams St.jpg", "Q8 - Palmer St & Sea St.jpg", "Q9 - Quincy Shore Dr & E Squantum St.jpg", "Q10 - QPD fuel pumps.jpg"

Sarah:

Joe asked me to send this along, These are the original pictures for the 10 sites in Quincy. I thought I sent before, but I cannot find original email. So this might be on me.

Thanks

Eric



Respectfully,

**Eric Johnson**

Security Project Manager  
1400 PROVIDENCE HIGHWAY,  
SUITE 3100  
NORWOOD, MA 02062

**M** 617.785.8254 | **F** 781.551.8667

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

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

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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Wednesday, June 05, 2019 4:25 PM EDT  
**To:** John Surette <John Surette <John.Surette@PD.Boston.gov>>  
**CC:** Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@PD.Boston.gov>>; Sarah Plowman <Sarah Plowman <Sarah.Plowman@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:** PSnet: Equipment for 1 Ashburton  
**Attachment(s):** "PSnet Rack Layout - 1 Ashburton.pdf", "smime.p7s"

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

--

---

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:** Thursday, June 06, 2019 11:39 AM EDT

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

**CC:** John Surette <John Surette <John.Surette@pd.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

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.

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...Chuck

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Regional Planner

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

**Sent:** Thursday, June 06, 2019 11:41 AM EDT

**To:** Sarah Plowman <Sarah.Plowman@boston.gov>>

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

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

Will do

Thank you all

-John

On Thu, Jun 6, 2019 at 11:39 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> 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:

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

...Chuck

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Boston City Hall, Room 204

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Phone: 617.635.1400  
Fax: 617.635.2974

--

John Surette  
Telecommunications Division  
Boston Police Department  
617-343-4620

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

**Sent:** Friday, June 07, 2019 3:57 PM EDT

**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>

**Subject:** For PSnet contract renewal

**Attachment(s):** "certificate\_of\_authority\_form\_cm-06.pdf","wage\_theft\_prevent\_form\_cm-16.pdf","lw-8\_fy\_2020.pdf","lw-2\_fy\_2020.pdf"

Hello Kate,

We're setting up the contract renewal documents for online signatures for the PSnet contract. In addition to signing a new CM10, we will also need signed copies of:

- CM06
- CM16
- LW2
- LW8

These can all be signed and **emailed** to me, and then I will upload them to the portal. Once I have those initial signatures from you, we will electronically circulate the total contract package so that you can sign the CM10/11.

Please return scanned copies of the original signatures of these documents at your earliest convenience and we will move on from there.

Thank you!

Sarah

--

**Sarah Plowman**

Regional Planner

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:** Kate Waldron <kwaldron@lan-tel.com>  
**Sent:** Friday, June 07, 2019 4:01 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**Subject:** RE: For PSnet contract renewal

Thanks Sarah. I'll get these back to you on Monday. In the interim, enjoy the weekend and the great weather.  
Kate

---

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Friday, June 07, 2019 3:57 PM  
**To:** Kate Waldron <kwaldron@lan-tel.com>  
**Subject:** For PSnet contract renewal

Hello Kate,

We're setting up the contract renewal documents for online signatures for the PSnet contract. In addition to signing a new CM10, we will also need signed copies of:

- CM06
- CM16
- LW2
- LW8

These can all be signed and **emailed** to me, and then I will upload them to the portal. Once I have those initial signatures from you, we will electronically circulate the total contract package so that you can sign the CM10/11.

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Thank you!  
Sarah

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**From:** Kate Waldron <kwaldron@lan-tel.com>  
**Sent:** Monday, June 10, 2019 4:18 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**Subject:** RE: For PSnet contract renewal - signed contract docs from LAN-TEL  
**Attachment(s):** "DOC061019-06102019161513.pdf"

Hi Sarah,

The signed contract documents are attached. Just confirming that you don't need me to forward the originals.

Thanks very much,

Kate

---

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Friday, June 07, 2019 3:57 PM  
**To:** Kate Waldron <kwaldron@lan-tel.com>  
**Subject:** For PSnet contract renewal

Hello Kate,

We're setting up the contract renewal documents for online signatures for the PSnet contract. In addition to signing a new CM10, we will also need signed copies of:

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- LW2
- LW8

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Thank you!  
Sarah

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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Monday, June 10, 2019 4:20 PM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**Subject:** Re: For PSnet contract renewal - signed contract docs from LAN-TEL

Hi Kate. I shouldn't need the originals, but you should hang onto them in case something changes. One question, though: I can't see a corporate seal on the CM6. Not sure if that's because it doesn't scan well, or because there isn't one on that document. That might become an issue; hopefully not. Do you have a version where it can be seen better?

On Mon, Jun 10, 2019 at 4:18 PM Kate Waldron <[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com)> wrote:

Hi Sarah,

The signed contract documents are attached. Just confirming that you don't need me to forward the originals.

Thanks very much,

Kate

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**From:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Sent:** Friday, June 07, 2019 3:57 PM  
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- CM06
- CM16
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- LW8

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Thank you!

Sarah

--

**Sarah Plowman**

Regional Planner

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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Fax: 617.635.2974

**From:** Kate Waldron <kwaldron@lan-tel.com>  
**Sent:** Monday, June 10, 2019 4:24 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**Subject:** RE: For PSnet contract renewal - signed contract docs from LAN-TEL  
**Attachment(s):** "DOC061019-06102019162311.pdf"

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**CERTIFICATE OF AUTHORITY**  
(For Corporations Only)

June 10, 2019

(Current Date)

At a meeting of the Directors of the LAN-TEL Communications, Inc.  
(Name of Corporation)  
duly called and held at 1400 Providence Highway, Suite 3100, Norwood, MA 02062  
(Location of Meeting)  
on the 10 day of June 20 19 at which a quorum was present and acting,  
it was VOTED, that Joseph H. Bodio  
(Name)  
the President/CEO of this corporation is hereby  
(Position)  
authorized and empowered to make, enter into, sign, seal and deliver in behalf of this corporation  
a contract for PSnet 3 - PSnet Development and Management services, July 1, 2019 - June 30, 2020.  
(Describe Service)

with the City of Boston, and a performance bond in connection with said contract.

I do hereby certify that the above is a true and correct copy of the record that said vote  
has not been amended or repealed and is in full force and effect as of this date, and that

Joseph H. Bodio  
(Name)  
is the duly elected President/CEO of this  
(Position)  
corporation.

Attest:

(Affix Corporate Seal Here)

Kate Waldron  
(Clerk) (Secretary) of the Corporation

APPROVED AS TO FORM BY CORPORATION COUNSEL FEBRUARY, 1998  
THIS FORM IS VOID AND WITHOUT LEGAL EFFECT IF ALTERED IN ANY WAY

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Monday, June 10, 2019 4:26 PM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**Subject:** Re: For PSnet contract renewal - signed contract docs from LAN-TEL

Hi again. I'll submit this one. We have to do everything online this time around because we started the RFP online last year. One of those quirky system things. In the future, eventually most if not all contracts will be done online -- but baby steps, you know?

Thanks again for re-scanning it! You should see the whole package (CM10 etc) sent over to you via email hopefully by the end of the day today so that you can review and sign electronically.

Sarah

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Kate

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**Subject:** RE: For PSnet contract renewal - signed contract docs from LAN-TEL

Great. I'll keep an eye out for the CM10.

Thanks,

Kate

---

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

**Sent:** Monday, June 10, 2019 4:58 PM EDT

**To:** kwaldron@lan-tel.com <kwaldron@lan-tel.com>

**CC:** sarah.plowman@boston.gov <sarah.plowman@boston.gov>

**Subject:** Documents for Review/Signature - Contract ID: 0000000000000000000048575

**Attachment(s):** "certificate\_of\_authority\_form\_cm-06.pdf", "LAN-TEL\_docs\_LW2\_CM16\_LW8\_signed\_June\_2019.pdf", "2018\_RFP\_for\_PSNet\_Development\_and\_Management.pdf", "LAN-TEL\_PSnet\_3\_non-price\_proposal.pdf", "LAN-TEL\_PSnet\_price\_proposal.pdf", "CM10\_PSnet\_Development\_and\_Maintenance\_ID\_46136.pdf", "SHARE\_0000000000000000000048575\_0.pdf"

Hello,

The City of Boston is ready for you to sign contract number SHARE / 0000000000000000000048575

Electronic signatures can be applied with the free downloadable Adobe Reader software.

Step-by-step instructions on how to sign this City of Boston contract with an electronic signature can be found within this document:

[https://www.boston.gov/sites/default/files/sign\\_cob\\_contract.pdf](https://www.boston.gov/sites/default/files/sign_cob_contract.pdf)

Vendors should apply their electronic signature to the middle signature box labeled "Vendor/Contractor" only.

DO NOT sign the signature boxes labeled "Auditing" or "Awarding Authority/Official."

After signing, you will be required to upload your signed copy back into the Supplier Portal. If you need any help, please do not hesitate to contact us.

A link to the City of Boston's Supplier Portal is available on the City of Boston's Procurement web page.

<https://www.boston.gov/procurement>

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

**Sent:** Monday, June 10, 2019 5:22 PM EDT

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

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

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

Chuck - I apologize for not actually replying to this! We are unable to add them to the current order, but we could submit a new order using the next year's grant funding.

On Wed, May 29, 2019 at 12:51 PM Chuck Wade <Chuck@interisle.net> wrote:

Sarah,

We are running low on the E2MTHDI environmental monitors that we use with the WEBCARDLX management cards to monitor temperature and humidity at the PSnet sites. These monitors also provide inputs to indicate when doors are opened. Here is the link to the Tripp Lite catalog page for the E2MTHDI monitors:

. <<https://tripplite.com/Envirosense2-Environmental-Sensor-Module-Temperature-Humidity-Digital-Input~E2MTHDI>>

If there is any potential to add some of these monitors to the order you're preparing, that would be helpful. They have a list price of around \$110 each. In the near term, we could use 4 to 6 of these.

Apologies for not flagging this sooner, but I just found out that we are down to our last couple of these monitors.

...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 5/24/19 1:56 PM, Sarah Plowman wrote:

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.

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

---

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

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.
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- 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.)
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- **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:

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- 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.

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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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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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**Sarah Plowman**

Regional Planner  
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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**From:** Kate Waldron <kwaldron@lan-tel.com>

**Sent:** Monday, June 10, 2019 5:35 PM EDT

**To:** sarah.plowman@boston.gov

**Subject:** RE: Documents for Review/Signature - Contract ID: 0000000000000000000048575

Hi Sarah - I'll get these back to you tomorrow. Do you need me to redo the certificate of vote or is that all set?

Thanks,

Kate

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

From: sarah.plowman@boston.gov <sarah.plowman@boston.gov>

Sent: Monday, June 10, 2019 4:59 PM

To: Kate Waldron <kwaldron@lan-tel.com>

Cc: sarah.plowman@boston.gov

Subject: Documents for Review/Signature - Contract ID: 0000000000000000000048575

Hello,

The City of Boston is ready for you to sign contract number SHARE / 0000000000000000000048575 Electronic signatures can be applied with the free downloadable Adobe Reader software.

Step-by-step instructions on how to sign this City of Boston contract with an electronic signature can be found within this document:

[https://www.boston.gov/sites/default/files/sign\\_cob\\_contract.pdf](https://www.boston.gov/sites/default/files/sign_cob_contract.pdf)

Vendors should apply their electronic signature to the middle signature box labeled "Vendor/Contractor" only.  
DO NOT sign the signature boxes labeled "Auditing" or "Awarding Authority/Official."

After signing, you will be required to upload your signed copy back into the Supplier Portal. If you need any help, please do not hesitate to contact us.

A link to the City of Boston's Supplier Portal is available on the City of Boston's Procurement web page.

<https://www.boston.gov/procurement>

\*\*\*\*\*WARNING\*\*\*\*\* This email was sent from outside of LAN-TEL

This email and any files transmitted with it are confidential information of LAN-TEL Communications, Inc. and intended solely for the use of the individual or entity to whom they are addressed. If you are not the intended recipient you hereby are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this email or the information contained in, or attached to, this email is strictly prohibited. If you have received this e-mail in error, please immediately notify the sender and delete this e-mail from your computer system.

**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Monday, June 10, 2019 5:41 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <EJohnson@lan-tel.com>>; Colin Strutt <Colin Strutt <Colin@interisle.net>>; Fred Goldstein <Fred Goldstein <Fred@interisle.net>>  
**Subject:** Re: PSnet: Planning for new Tripp Lite PDU/UPS order  
**Attachment(s):** "smime.p7s"

Sarah,

I suspected this would be the case. As I mentioned, this is not an urgent need.

At your convenience, it would be helpful to order six of these E2MTHDI monitors.

Thanks...

...Chuck

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Chuck Wade, Principal  
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On 6/10/19 5:22 PM, Sarah Plowman wrote:

Chuck - I apologize for not actually replying to this! We are unable to add them to the current order, but we could submit a new order using the next year's grant funding.

On Wed, May 29, 2019 at 12:51 PM Chuck Wade <[Chuck@interisle.net](mailto:Chuck@interisle.net)> wrote:

Sarah,

We are running low on the E2MTHDI environmental monitors that we use with the WEBCARDLX management cards to monitor temperature and humidity at the PSnet sites. These monitors also provide inputs to indicate when doors are opened. Here is the link to the Tripp Lite catalog page for the E2MTHDI monitors:

. [. <https://tripplite.com/Envirosense2-Environmental-Sensor-Module-Temperature-Humidity-Digital-Input~E2MTHDI>](https://tripplite.com/Envirosense2-Environmental-Sensor-Module-Temperature-Humidity-Digital-Input~E2MTHDI)

If there is any potential to add some of these monitors to the order you're preparing, that would be helpful. They have a list price of around \$110 each. In the near term, we could use 4 to 6 of these.

Apologies for not flagging this sooner, but I just found out that we are down to our last couple of these monitors.

...Chuck

---

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On 5/24/19 1:56 PM, Sarah Plowman wrote:

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, 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

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- 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

--

---

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

--

**Sarah Plowman**  
Regional Planner  
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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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Tuesday, June 11, 2019 1:14 PM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**Subject:** Re: Documents for Review/Signature - Contract ID: 0000000000000000000048575

That's all set.

On Mon, Jun 10, 2019 at 17:35 Kate Waldron <kwaldron@lan-tel.com> wrote:

Hi Sarah - I'll get these back to you tomorrow. Do you need me to redo the certificate of vote or is that all set?

Thanks,

Kate

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

From: [sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov) <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
Sent: Monday, June 10, 2019 4:59 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

Hello,

The City of Boston is ready for you to sign contract number SHARE / 0000000000000000000048575 Electronic signatures can be applied with the free downloadable Adobe Reader software.

Step-by-step instructions on how to sign this City of Boston contract with an electronic signature can be found within this document:

[https://www.boston.gov/sites/default/files/sign\\_cob\\_contract.pdf](https://www.boston.gov/sites/default/files/sign_cob_contract.pdf)

Vendors should apply their electronic signature to the middle signature box labeled "Vendor/Contractor" only. DO NOT sign the signature boxes labeled "Auditing" or "Awarding Authority/Official."

After signing, you will be required to upload your signed copy back into the Supplier Portal. If you need any help, please do not hesitate to contact us.

A link to the City of Boston's Supplier Portal is available on the City of Boston's Procurement web page.

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**Sarah Plowman**

Regional Planner

Mayor's Office of Emergency Management

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One City Hall Square | Boston, MA 02201

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Fax: 617.635.2974

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**Sent:** Tuesday, June 11, 2019 1:17 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
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Great! One more getting wrapped up!

Get [Outlook for iOS](#)

---

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**To:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Eric, I am still waiting on this invoice. Can you escalate this with your team and have them send me a copy today?

Thank you,  
Sarah

On Mon, Jun 3, 2019 at 1:39 PM Eric Johnson <ejohnson@lan-tel.com> wrote:  
It is complete and running I will send invoice

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) ♣ □

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I believe we are ready to fire up AC I will check

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

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On May 23, 2019, at 3:08 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hello Tom & Eric,

I know I've spoken with each of you separately within the past few weeks, but just reaching out here again. Has all work been completed for each of your projects? If not, can you please advise when you anticipate that to be the case?

Thanks very much,  
Sarah

On Thu, Mar 28, 2019 at 8:25 AM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thank you, both!

On Wed, Mar 27, 2019 at 16:52 Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:

see you then sir !  
Thank you

---

**From:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>  
**Sent:** Wednesday, March 27, 2019 4:50 PM

**To:** Eric Johnson; Sarah Plowman  
**Cc:** Regina Collyer  
**Subject:** RE: Whidden Hospital Electrical/HVAC projects

Eric,  
How does next Wednesday April 3<sup>rd</sup> at 10AM. We can meet in the lobby.

Thanks,  
Tom

Thomas Bent  
President  
Bent Electrical Contractors Inc.  
[59A Inner Belt Road](#)  
[Somerville, Ma 02143](#)  
[Office 617-628-0831 X221](#)  
Cell 617-293-1152  
Fax 617-666-3042  
IBEW Local 103

---

**From:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
**Sent:** Wednesday, March 27, 2019 9:41 AM  
**To:** Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)>  
**Cc:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Good morning Tom can we meet onsite next week ?

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 Mar 26, 2019, at 3:02 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hi Tom & Eric,

This email serves to connect you both. Tom's company (Bent Electric) is doing the electrical wiring work necessary, and Eric is the PM for LAN-TEL's HVAC install. I know that the LAN-TEL project's completion depends upon the electrical work, but in a conversation with Tom today he also noted that you both need to coordinate where everything is going and that he'll be doing the final wiring as well.

I know we're on a tight timetable with the grant funding expiring in June and the temperatures heating up in May, so the plan is for an April wrap up for all of this as close as that is possible. I know Tom has already reached out to the hospital for scheduling purposes. If either of you run into any hang ups where that is concerned, please let me know. I'm also cc'ing Sgt. Gina Collyer of Everett PD who is the local point of contact for the project. She can also assist in aligning things with the hospital if necessary. She's worked with Sgt. Jeff Gilmore, who has spoken with both of you about this project when we were planning for it last year.

Thanks very much to you all,  
Sarah

--

**Sarah Plowman**  
Regional Planner  
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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Boston City Hall, Room 204

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

**Sent:** Friday, June 14, 2019 11:56 AM EDT

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

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

**Subject:** Re: LAN-TEL/Tellus Project update

Hello again all,

Roger, can you share an update please?

Thank you,  
Sarah

On Mon, Jun 3, 2019 at 12:19 PM Sarah Plowman <sarah.plowman@boston.gov> wrote:

Thanks very much, Roger. This is helpful to know. Can you please send out a follow-up email next Monday, June 10, with updates?

Thanks again,  
Sarah

On Fri, May 31, 2019 at 6:11 PM Roger Salisbury <rsalisbury@tellus.us> wrote:

Hi Sarah,

As promised, here's the project update with all the remaining tasks from my perspective:

- **Connect Somerville FD/PD CAD to the Hub:**

- We expected to be done by now but have had a snag. We have the CAD adapter installed and all the networking figured out, but the queries that were previously vetted out are no longer working. The data schema seems to have changed. We have a CAD vendor resource engaged and he seems to be reasonably responsive.
- **ETA:** I'd say this task is 75% complete at this point with an expectation that it will be complete mid week next week.

- **Connect Northeaster U CAD to the Hub:**

- We're a little behind on this. It should be a straight forward implementation as soon as NU's IT team takes care of the networking. We had a conference call to lay out what needed to be done a couple of weeks ago. I have and will continue to reach out to them to move this along.
- **ETA:** I'd say this task is 50% done and can be completed within days of NU's IT team finishing their networking. Could also be next week if I can just get them to move on their tasks.

- **Connect BRIC db for the CAD SQL feed:**

- We did some preliminary work with the BRIC about a year ago. I think we have everything primed to get this in place but we were waiting on getting all the CADs connected first. I will engage them early next week to see if we can start working on this.
- **ETA:** Barring unforeseen problems, this should be done in a single work session that includes Tellus, the BRIC and Interisle.

- **Fix Esri GeoCoding interface:**

- This is a service that adds a lat/long coordinate to CAD incidents for about 3 of the participating agencies whose CAD does not provide that information. This allows it to be plotted on the Portal's map as well as enabling it to trigger Flir Camera activity (when that gets all hooked up).
- This was working up until a couple of months ago and then Esri changed their interface. I'm actually getting push-back from my engineering team that fixing what Esri broke is out-of-scope and we should charged separately for this. So far, I think I can get this fixed without any extra costs (crossing fingers).
- **ETA:** Mid June.

- **Migrating all connectivity alerts (WatchDog Service)**

- Our connectivity alerts notify the agency IT staff and our support staff when there is a disruption in CAD communication with Tellus.Hub. We originally set up all of our connectivity alerts in our test environment even though it is connected to each agency's live CAD system. This task is to migrate them all over to the Tellus.Hub production environment. This has no external dependencies. It will be done by a Tellus engineer.
- **ETA:** We were waiting for all CAD connections to be established but don't have to. I will shoot for next week to have this done.

Please let me know if you have any questions on this.

--

**Roger Salisbury**

Phone: (801) 397-3973 x5146

**Tellus**

655 Medical Dr, Suite 100

Bountiful, UT 84010

[www.tellus.us](http://www.tellus.us)



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**Sent:** Friday, June 14, 2019 11:56 AM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**Subject:** Re: Whidden Hospital Electrical/HVAC projects

Sarah

I will find out what is up . I thought it was sent my apologies

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](#)

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IBEW Local 103

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**Cc:** Tom Bent <[TBent@bentelectric.com](mailto:TBent@bentelectric.com)>; Regina Collyer <[regina.collyer@cityofeverett.org](mailto:regina.collyer@cityofeverett.org)>  
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On Mar 26, 2019, at 3:02 PM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hi Tom & Eric,

This email serves to connect you both. Tom's company (Bent Electric) is doing the electrical wiring work necessary, and Eric is the PM for LAN-TEL's HVAC install. I know that the LAN-TEL project's completion depends upon the electrical work, but in a conversation with Tom today he also noted that you both need to coordinate where everything is going and that he'll be doing the final wiring as well.

I know we're on a tight timetable with the grant funding expiring in June and the temperatures heating up in May, so the plan is for an April wrap up for all of this as close as that is possible. I know Tom has already reached out to the hospital for scheduling purposes. If either of you run into any hang ups where that is concerned, please let me know. I'm also cc'ing Sgt. Gina Collyer of Everett PD who is the local point of contact for the project. She can also assist in aligning things with the hospital if necessary. She's worked with Sgt. Jeff Gilmore, who has spoken with both of you about this project when we were planning for it last year.

Thanks very much to you all,  
Sarah

--

**Sarah Plowman**

Regional Planner  
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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**From:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Sent:** Friday, June 14, 2019 1:38 PM EDT  
**To:** sarah.plowman@boston.gov  
**CC:** Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>; Susan O'Byrne <=?utf-8?B?U3VzYW4gT+KAmUJ5cm5l?=<sobyne@lan-tel.com>>  
**Subject:** Fwd: Invoice  
**Attachment(s):** "image003.jpg", "ATT00001.htm", "DOC061419-06142019132753.pdf", "ATT00002.htm"

Sarah

Here is the invoice for the Whidden Hospital .

Sorry for the delay .

Have a great weekend .

Eric

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:

**From:** Jeff Bodio <[jeffb@lan-tel.com](mailto:jeffb@lan-tel.com)>  
**Date:** June 14, 2019 at 1:34:34 PM EDT  
**To:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>  
**Subject:** Invoice

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

**Sent:** Friday, June 14, 2019 1:42 PM EDT

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

**CC:** Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>; Susan O'Byrne <=?UTF-8?B?U3VzYW4gT+KAmUJ5cm5l?=<sobyne@lan-tel.com>>

**Subject:** Re: Invoice

**Attachment(s):** "PO 697929 Whidden HVAC.pdf"

Eric, Susan, and Jeff,

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Thank you,  
Sarah

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Eric Johnson

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Sarah  
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**Security Project Manager**

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Eric Johnson  
**Security Project Manager**

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**From:** Jeff Bodio <[jeffb@lan-tel.com](mailto:jeffb@lan-tel.com)>

**Date:** June 14, 2019 at 1:34:34 PM EDT

**To:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>

**Subject:** Invoice

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

**Sent:** Friday, June 14, 2019 8:35 PM EDT

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

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

**Subject:** Re: LAN-TEL/Tellus Project update

Hi Sarah,

I know I owe you an update. Sorry. I was traveling this week and working from home today. I'll get you an update early on Monday when I can get the latest from my team.

Roger Salisbury  
Project Manager

**Tellus**

801-397-3973 x5146

*Tellus is now a CentralSquare company*

On 6/14/2019 9:56 AM, Sarah Plowman wrote:

Hello again all,

Roger, can you share an update please?

Thank you,  
Sarah

On Mon, Jun 3, 2019 at 12:19 PM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thanks very much, Roger. This is helpful to know. Can you please send out a follow-up email next Monday, June 10, with updates?

Thanks again,  
Sarah

On Fri, May 31, 2019 at 6:11 PM Roger Salisbury <[rsalisbury@tellus.us](mailto:rsalisbury@tellus.us)> wrote:

Hi Sarah,

As promised, here's the project update with all the remaining tasks from my perspective:

- **Connect Somerville FD/PD CAD to the Hub:**
  - We expected to be done by now but have had a snag. We have the CAD adapter installed and all the networking figured out, but the queries that were previously vetted out are no longer working. The data schema seems to have changed. We have a CAD vendor resource engaged and he seems to be reasonably responsive.
  - **ETA:** I'd say this task is 75% complete at this point with an expectation that it will be complete mid week next week.
- **Connect Northeaster U CAD to the Hub:**
  - We're a little behind on this. It should be a straight forward implementation as soon as NU's IT team takes care of the networking. We had a conference call to lay out what needed to be done a couple of weeks ago. I have and will continue to reach out to them to move this along.
  - **ETA:** I'd say this task is 50% done and can be completed within days of NU's IT team finishing their networking. Could also be next week if I can just get them to move on their tasks.
- **Connect BRIC db for the CAD SQL feed:**
  - We did some preliminary work with the BRIC about a year ago. I think we have everything primed to get this in place but we were waiting on getting all the CADs connected first. I will engage them early next week to see if we can start working on this.
  - **ETA:** Barring unforeseen problems, this should be done in a single work session that includes Tellus, the BRIC and InterIsle.
- **Fix Esri GeoCoding interface:**
  - This is a service that adds a lat/long coordinate to CAD incidents for about 3 of the participating agencies whose CAD does not provide that information. This allows it to be plotted on the Portal's map as well as enabling it to trigger Flir Camera activity (when that gets all hooked up).
  - This was working up until a couple of months ago and then Esri changed their interface I'm actually getting push-back from my engineering team that fixing what Esri broke is out-of-scope and we should charged separately for this. So far, I think I can get this fixed without any extra costs (crossing fingers).
  - **ETA:** Mid June.
- **Migrating all connectivity alerts (WatchDog Service)**
  - Our connectivity alerts notify the agency IT staff and our support staff when there is a disruption

in CAD communication with Tellus.Hub. We originally set up all of our connectivity alerts in our test environment even though it is connected to each agency's live CAD system. This task is to migrate them all over to the Tellus.Hub production environment. This has no external dependencies. It will be done by a Tellus engineer.

- **ETA:** We were waiting for all CAD connections to be established but don't have to. I will shoot for next week to have this done.

Please let me know if you have any questions on this.

--

**Roger Salisbury**

Phone: (801) 397-3973 x5146

**Tellus**

655 Medical Dr, Suite 100

Bountiful, UT 84010

[www.tellus.us](http://www.tellus.us)



Virus-free. [www.avast.com](http://www.avast.com)

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One City Hall Square | Boston, MA 02201

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Fax: 617.635.2974

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

**Sent:** Monday, June 17, 2019 4:57 PM EDT

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

**CC:** Jeff Bodio <Jeff Bodio <jeffb@lan-tel.com>>; Susan O'Byrne <=?UTF-8?B?U3VzYW4gT+KAmUJ5cm5l?=<sobyne@lan-tel.com>>

**Subject:** Re: Invoice

Hi all,

Any update on that revised invoice?

Thanks!

Sarah

On Fri, Jun 14, 2019 at 1:48 PM Eric Johnson <[ejohnson@lan-tel.com](mailto:ejohnson@lan-tel.com)> wrote:

Sarah

Will do sorry

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](#)

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TWITTER : @ejctown

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

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Sorry for the delay .

Have a great weekend .

Eric

Respectfully,

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Begin forwarded message:

**From:** Jeff Bodio <[jeffb@lan-tel.com](mailto:jeffb@lan-tel.com)>

**Date:** June 14, 2019 at 1:34:34 PM EDT

**To:** Eric Johnson <[ejohnson@Lan-Tel.com](mailto:ejohnson@Lan-Tel.com)>

**Subject: Invoice**

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Fax: 617.635.2974

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

**Sent:** Monday, June 17, 2019 5:54 PM EDT

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

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

**Subject:** Re: LAN-TEL/Tellus Project update

Hi Sarah,

Here's a report on the list of items in the prior email:

- **Connect Somerville FD/PD CAD to the Hub:**
  - We've still not been able to get the CAD vendor to step up even though they've repeatedly 'tomorrow or the next day'. We continue to press the CAD vendor. Although it may be more effort than we've been contracted for, I'm going to see if there's anything we can do with my engineers to circumvent the dependency on the CAD vendor. I may get push back from management.
  - **ETA:** If I'm successful in convincing my engineering team to take it on in our next 2-week development sprint, it should get done by July 3rd (end of the next 2-week sprint).
- **Connect Northeastern U CAD to the Hub:**
  - Unfortunately, after a good amount of work invested with them by Tellus and InterIsle (including an onsite visit last year during the project), Northeastern U has decided to opt out since Boston PD is not contributing any data at this point. I made a case to them to opt in with hopes of Boston PD's story changing before end of year, including the fact that they'd have to pay their own fees to reconnect later. They thanked me for the information but decided to stand by their decision. As far as impact on other communities participating with the Tellus interoperability, the drop out of NU is of little consequence. NU was primarily a consumer of the data and not a contributor.
  - **ETA:** Done, due to Nu's opt out.
- **Connect BRIC db for the CAD SQL feed:**
  - Since our last email, we've confirmed that we've been sending data to the BRIC all along. Last step is for us to reach out to them to make sure all is looking good on their end.
  - **ETA:** Confirmation from BRIC by end of month.
- **Fix Esri GeoCoding interface:**
  - This required a product change to our Tellus.Hub and a version upgrade on the servers. The good news is that the coding to fix the Esri interface is done. Getting a new releasable build of our core product takes a few more hoops to jump through. (Quality Assurance steps, etc.) I'm still working with the team to get a new releasable version out.
  - **ETA:** Within the next 2-week dev sprint (no later than July 3)
- **Migrating all connectivity alerts (WatchDog Service)**
  - As a correction from my last statement, this is as good as done. The monitoring of each CAD connection to our Test Tellus.hub environment is monitoring parallel processes as the CAD connections to our Production Tellus.Hub environments. Migrating the connection monitoring from the Test connections to the Production connections is just a formality and a label change.
  - **ETA:** this is effectively done. The formality and label change mentioned above will likely be done in the next 2-week dev sprint (July 3) or it could also be done later under maintenance.

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Thank you,  
Sarah

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Fax: 617.635.2974



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

**Sent:** Monday, June 17, 2019 6:40 PM EDT

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

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

**Subject:** Re: LAN-TEL/Tellus Project update

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Project Manager

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

**Sent:** Tuesday, June 18, 2019 2:14 PM 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 Status Meeting - 6/19/19

**Attachment(s):** "Security Camera Strategy Meeting\_6-19-19.docx"

Hi all - since we are on our summer schedule we will be meeting every 3 or 4 weeks. Tomorrow is our next meeting. Attached is the status report for tomorrow's camera meeting.

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

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

**Subject:** Re: LAN-TEL/Tellus Project update

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- **Connect Northeast U CAD to the Hub:**
  - Unfortunately, after a good amount of work invested with them by Tellus and InterIsle (including an onsite visit last year during the project), Northeastern U has decided to opt out since Boston PD is not contributing any data at this point. I made a case to to

them to opt in with hopes of Boston PD's story changing before end of year, including the fact that they'd have to pay their own fees to reconnect later. They thanked me for the information but decided to stand by their decision. As far as impact on other communities participating with the Tellus interoperability, the drop out of NU is of little consequence. NU was primarily a consumer of the data and not a contributor.

- **ETA: Done, due to Nu's opt out.**
- **Connect BRIC db for the CAD SQL feed:**
  - Since our last email, we've confirmed that we've been sending data to the BRIC all along. Last step is for us to reach out to them to make sure all is looking good on their end.
  - **ETA:** Confirmation from BRIC by end of month.
- **Fix Esri GeoCoding interface:**
  - This required a product change to our Tellus.Hub and a version upgrade on the servers. The good news is that the coding to fix the Esri interface is done. Getting a new releasable build of our core product takes a few more hoops to jump through. (Quality Assurance steps, etc.) I'm still working with the team to get a new releasable version out.
  - **ETA:** Within the next 2-week dev sprint (no later than July 3)
- **Migrating all connectivity alerts (WatchDog Service)**
  - As a correction from my last statement, this is as good as done. The monitoring of each CAD connection to our Test Tellus.hub environment is monitoring parallel processes as the CAD connections to our Production Tellus.Hub environments. Migrating the connection monitoring from the Test connections to the Production connections is just a formality and a label change.
  - **ETA: this is effectively done.** The formality and label change mentioned above will likely be done in the next 2-week dev sprint (July 3) or it could also be done later under maintenance.

On 6/14/2019 9:56 AM, Sarah Plowman wrote:

Hello again all,

Roger, can you share an update please?

Thank you,  
Sarah

On Mon, Jun 3, 2019 at 12:19 PM Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Thanks very much, Roger. This is helpful to know. Can you please send out a follow-up email next Monday, June 10, with updates?

Thanks again,  
Sarah

On Fri, May 31, 2019 at 6:11 PM Roger Salisbury <[rsalisbury@tellus.us](mailto:rsalisbury@tellus.us)> wrote:

Hi Sarah,

As promised, here's the project update with all the remaining tasks from my perspective:

- **Connect Somerville FD/PD CAD to the Hub:**
  - We expected to be done by now but have had a snag. We have the CAD adapter installed and all the networking figured out, but the queries that were previously vetted out are no longer working. The data schema seems to have changed. We have a CAD vendor resource engaged and he seems to be reasonably responsive.
  - **ETA:** I'd say this task is 75% complete at this point with an expectation that it will be complete mid week next week.
- **Connect Northeaster U CAD to the Hub:**
  - We're a little behind on this. It should be a straight forward implementation as soon as NU's IT team takes care of the networking. We had a conference call to lay out what needed to be done a couple of weeks ago. I have and will continue to reach out to them to move this along.
  - **ETA:** I'd say this task is 50% done and can be completed within days

of NU's IT team finishing their networking. Could also be next week if I can just get them to move on their tasks.

- **Connect BRIC db for the CAD SQL feed:**
  - We did some preliminary work with the BRIC about a year ago. I think we have everything primed to get this in place but we were waiting on getting all the CADs connected first. I will engage them early next week to see if we can start working on this.
  - **ETA:** Barring unforeseen problems, this should be done in a single work session that includes Tellus, the BRIC and InterIsle.
- **Fix Esri GeoCoding interface:**
  - This is a service that adds a lat/long coordinate to CAD incidents for about 3 of the participating agencies whose CAD does not provide that information. This allows it to be plotted on the Portal's map as well as enabling it to trigger Flir Camera activity (when that gets all hooked up).
  - This was working up until a couple of months ago and then Esri changed their interface. I'm actually getting push-back from my engineering team that fixing what Esri broke is out-of-scope and we should charged separately for this. So far, I think I can get this fixed without any extra costs (crossing fingers).
  - **ETA:** Mid June.
- **Migrating all connectivity alerts (WatchDog Service)**
  - Our connectivity alerts notify the agency IT staff and our support staff when there is a disruption in CAD communication with Tellus.Hub. We originally set up all of our connectivity alerts in our test environment even though it is connected to each agency's live CAD system. This task is to migrate them all over to the Tellus.Hub production environment. This has no external dependencies. It will be done by a Tellus engineer.
  - **ETA:** We were waiting for all CAD connections to be established but don't have to. I will shoot for next week to have this done.

Please let me know if you have any questions on this.

--

**Roger Salisbury**

Phone: (801) 397-3973 x5146

**Tellus**

[655 Medical Dr, Suite 100](#)

[Bountiful, UT 84010](#)

[www.tellus.us](http://www.tellus.us)



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--

**Sarah Plowman**

Regional Planner

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**

Regional Planner

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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Fax: 617.635.2974

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**Sarah Plowman**

Regional Planner

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:** Monday, June 24, 2019 9:34 AM EDT  
**To:** Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: MACU vehicle.

Hi Sgt. Fusco,

Apologies for the delay - yes, Somerville can use the MACU vehicle this week (June 27) for the fireworks. The contract is in place and we are all set. I'm copying Eric here to confirm, although I did already share that date with him once before.

Thanks so much,  
Sarah

On Wed, Jun 19, 2019 at 2:34 PM Salvatore Fusco <[sfusco@police.somerville.ma.us](mailto:sfusco@police.somerville.ma.us)> wrote:

Sarah:

Could you please update me on the status of the MACU vehicle. I know that the agreement had yet to be finalized and, I am looking to see if we will be utilizing for the fireworks on the 27th.

Thanks,

Sal Fusco

Sergeant Salvatore Fusco  
Somerville Police Department  
220 Washington St.  
Somerville MA. 02143  
617-625-1600 ext.7296

--

**Sarah Plowman**  
Regional Planner  
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:** Monday, June 24, 2019 9:39 AM EDT

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

**CC:** Bob Gillan <Bob Gillan <rgillan@quincyma.gov>>; Regina Collyer <Regina Collyer <regina.collyer@cityofeverett.org>>; Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>>; Steven Ford <Steven Ford <sford@reverepolice.org>>; Shawn Romanoski <Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>>; Ahern, Thomas; Joe Pepjonovich <Joe Pepjonovich <jpepjonovich@quincyma.gov>>

**Subject:** MACU MBSHR Reserved Dates

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**

Regional Planner

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:** Shawn Romanoski <shawn.romanoski@pd.boston.gov>

**Sent:** Monday, June 24, 2019 10:22 AM EDT

**To:** John Daley <John Daley <john.daley@pd.boston.gov>>; thomas.hutchings@pd.boston.gov <thomas.hutchings@pd.boston.gov>

**CC:** rsalisbury@tellus.us; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>

**Subject:** Re: FatPot

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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**From:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Sent:** Monday, June 24, 2019 12:00 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Salvatore Fusco <Salvatore Fusco <sfusco@police.somerville.ma.us>>; Susan O'Byrne <=?utf-8?B?U3VzYW4gT+KAmUJ5cm5l?=> <sobyne@lan-tel.com>>  
**Subject:** Re: MACU vehicle.

We are all set

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 24, 2019, at 9:34 AM, Sarah Plowman <[sarah.plowman@boston.gov](mailto:sarah.plowman@boston.gov)> wrote:

Hi Sgt. Fusco,

Apologies for the delay - yes, Somerville can use the MACU vehicle this week (June 27) for the fireworks. The contract is in place and we are all set. I'm copying Eric here to confirm, although I did already share that date with him once before.

Thanks so much,  
Sarah

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| Sarah:

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Thanks,

Sal Fusco

Sergeant Salvatore Fusco

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**Sarah Plowman**

Regional Planner

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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**From:** Chuck Wade <Chuck@Interisle.net>  
**Sent:** Monday, June 24, 2019 1:14 PM EDT  
**To:** Sarah Plowman <Sarah.Plowman@boston.gov>; John Surette <John.Surette@pd.boston.gov>  
**CC:** Shawn Romanoski <Shawn.Romanoski@pd.boston.gov>; Scott Wilder <Scott.Wilder@brooklinema.gov>; Eric Johnson <EJohnson@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"

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

---

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

On 6/6/19 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

--

---

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

--

**Sarah Plowman**

Regional Planner  
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:** Kate Waldron <kwaldron@lan-tel.com>  
**Sent:** Tuesday, June 25, 2019 8:50 AM EDT  
**To:** sarah.plowman@boston.gov  
**CC:** Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>  
**Subject:** Checking in on PSNet contract  
**Attachment(s):** "image001.jpg"

Hi Sarah,

Since July 1 is fast approaching, I am just checking in to make sure you don't need anything else from us for the PSNet contract. Sorry to bother you when you are probably getting a ton of new contracts in place, but I want to make sure we are all set.

Thanks very much,

Kate and Eric too



Kate Waldron  
**Vice President**  
1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062  
T 781.352.4134 | M 617.680.1351  
[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com) | [www.lan-tel.com](http://www.lan-tel.com)  
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**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Tuesday, June 25, 2019 9:13 AM EDT  
**To:** Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>  
**Subject:** Re: Checking in on PSNet contract

Good morning to you both. You are all set - I don't need anything more from you for PSnet. I'm monitoring the signature process. It should get back down to my office for final signature by tomorrow I believe. When everything finalizes I'll let you know and send you a copy of the packet for your records. Thanks for following up!

On Tue, Jun 25, 2019 at 8:50 AM Kate Waldron <[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com)> wrote:

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Kate Waldron

**Vice President**

1400 PROVIDENCE HIGHWAY, SUITE 3100, NORWOOD, MA 02062

T 781.352.4134 | M 617.680.1351

[kwaldron@lan-tel.com](mailto:kwaldron@lan-tel.com) | [www.lan-tel.com](http://www.lan-tel.com)

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--

**Sarah Plowman**

Regional Planner

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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**From:** Kate Waldron <kwaldron@lan-tel.com>  
**Sent:** Tuesday, June 25, 2019 9:25 AM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Eric Johnson <Eric Johnson <ejohnson@Lan-Tel.com>>  
**Subject:** RE: Checking in on PSNet contract  
**Attachment(s):** "image001.jpg"

Fantastic. Thanks for the update Sarah – much appreciated.

Kate

---

**From:** Sarah Plowman <sarah.plowman@boston.gov>  
**Sent:** Tuesday, June 25, 2019 9:14 AM  
**To:** Kate Waldron <kwaldron@lan-tel.com>  
**Cc:** Eric Johnson <ejohnson@Lan-Tel.com>  
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T 781.352.4134 | M 617.680.1351  
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Mayor's Office of Emergency Management  
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**From:** Roger Salisbury <rsalisbury@tellus.us>  
**Sent:** Tuesday, June 25, 2019 12:10 PM EDT  
**To:** John Daley <John Daley <john.daley@pd.boston.gov>>  
**CC:** Shawn Romanoski <Shawn Romanoski <shawn.romanoski@pd.boston.gov>>; thomas.hutchings@pd.boston.gov; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>  
**Subject:** Re: FatPot

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 BPD's 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:

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Roger is CC'd on this email.

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

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Eric Johnson  
**Security Project Manager**

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**M 617-785-8254**

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

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**From:** Thomas Hutchings <thomas.hutchings@pd.boston.gov>

**Sent:** Tuesday, June 25, 2019 1:14 PM EDT

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

**CC:** John Daley <John.Daley@pd.boston.gov>>; Shawn Romanoski <Shawn.Romanoski@shawn.romanoski@pd.boston.gov>>; Eric W. Nisbet <Eric.W.Nisbet@lan-tel.com>>; Eric Johnson <Eric.Johnson@ejohnson@lan-tel.com>>; Sarah Plowman <Sarah.Plowman@boston.gov>>; Scott Wilder <Scott.Wilder@swilder@brooklinema.gov>>

**Subject:** Re: FatPot

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**Sent:** Wednesday, June 26, 2019 11:22 AM EDT

**To:** Thomas Hutchings <Thomas Hutchings <thomas.hutchings@pd.boston.gov>>

**CC:** Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>; John Daley <John Daley <john.daley@pd.boston.gov>>; Shawn Romanoski <Shawn Romanoski <shawn.romanoski@pd.boston.gov>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Eric Johnson <Eric Johnson <ejohnson@lan-tel.com>>; Scott Wilder <swilder@brooklinema.gov>>

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Project Director

Mayor's Office of Emergency Management

Boston City Hall, Room 204

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Phone: 617.635.1400

Fax: 617.635.2974

**From:** John Daley <John.Daley@pd.boston.gov>

**Sent:** Wednesday, June 26, 2019 12:36 PM EDT

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

**CC:** Eric Johnson <Eric.Johnson@ejohnson@lan-tel.com>>; Eric W. Nisbet <Eric.W.Nisbet@enisbet@lan-tel.com>>; Roger Salisbury <Roger.Salisbury@rsalisbury@tellus.us>>; Scott Wilder <Scott.Wilder@swilder@brooklinema.gov>>; Shawn Romanoski <Shawn.Romanoski@shawn.romanoski@pd.boston.gov>>; Thomas Hutchings <Thomas.Hutchings@thomas.hutchings@pd.boston.gov>>; Richard Laird <Richard.Laird@richard.laird@pd.boston.gov>>

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**From:** Roger Salisbury <rsalisbury@tellus.us>  
**Sent:** Wednesday, June 26, 2019 2:18 PM EDT  
**To:** John Daley <John.Daley@pd.boston.gov>; Sarah Plowman <Sarah.Plowman@sarah.plowman@boston.gov>  
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**Subject:** Re: FatPot

Superintendent Daley,

Thanks for your support. I'll reach out directly to Rich Laird and Hutch to determine next steps.

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**From:** Roger Salisbury <rsalisbury@tellus.us>  
**Sent:** Wednesday, June 26, 2019 2:28 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**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  
<<Boston PD removed>>

Sarah,

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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?

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

**Sent:** Wednesday, June 26, 2019 2:39 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

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.

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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:

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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> wrote:

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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.

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On Tue, Jun 25, 2019 at 1:14 PM Thomas Hutchings <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> wrote:

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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>.

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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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Project Director

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**From:** Eric Johnson <ejohnson@Lan-Tel.com>  
**Sent:** Wednesday, June 26, 2019 2:42 PM EDT  
**To:** Sarah Plowman <Sarah Plowman <sarah.plowman@boston.gov>>  
**CC:** Roger Salisbury <Roger Salisbury <rsalisbury@tellus.us>>; Eric W. Nisbet <Eric W. Nisbet <enisbet@lan-tel.com>>; Scott Wilder <Scott Wilder <swilder@brooklinema.gov>>; Kate Waldron <Kate Waldron <kwaldron@lan-tel.com>>  
**Subject:** Re: FatPot

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>>

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