



## Addendum # 1 to the City of Westminster Fiber Optic Network Operator Project IT-265-C

Owner: City of Westminster  
Consultant: CTC Technology & Energy

The City is building a municipal dark fiber-to-the-premises (FTTP) network, and seeks a Network Operator (Operator) who will lease the dark fiber, light the network, and make available capacity to Internet Service Providers (Service Providers) in an open, non-discriminatory fashion.

Questions received via pre-bid meeting and email from potential bidders.  
Answers provided by the City staff and consultant:

Q1: What types of “electronics” are being referred to? We believe elements required to actually light the network, but are unsure of the network design details itself (GPON vs. active ethernet, etc). Is this documented somewhere specifically?

A1: *You are correct that the electronics referenced in the RFP would include any optical transmission hardware needed to light the fiber, as well as any other systems that would be required by the network operator to deliver the proposed services. This might include servers and other hardware related to network management, video content delivery, etc. The intent of this request in the RFP is to understand whether there are additional requirements for physical space and other related provisions, other than what is being provided by the City.*

*Specifically, the City’s plan is to provide access to the infrastructure described in the RFP, which includes a self-contained equipment shelter equipped with a backup generator and redundant HVAC conditioning systems. We anticipate this shelter will serve as a hub for “Service Area A,” and potentially a headend for central components required by a network operator. The equipment cabinet specified for Service Area B will also be equipped with backup power and a heat exchanger, which is intended to support either/both passive components and/or optical transmission hardware.*

*The network design does not assume a particular technology, rather is intended to allow a network operator to deploy any number of potential solutions (GPON, active Ethernet, RFoG, etc.). All fiber strands from the customer demarcations extend to, and are terminated within either the equipment shelter or equipment cabinet described in the RFP.*

Q2: Do you have a cost per home estimate?

A2: *No, not at this time.*

Q3: Are expecting to offer lit services only, or dark fiber as well?

A3: *We do not exclude the possibility, but it is not our ideal model.*

Q4: Will the Network Operator provide initial services?

A4: *The Network Operator may provide services, but must remain neutral and allow other providers to provide services as well.*

Q5: Do we have metrics about services, etc.?

A5: *Yes, the City conducted a feasibility study. (The document was made available on City website)*

Q6: Do you have a timeline of how long you expect to get out of the red and into the black?

A6: *Yes, we expect to cover our costs within three to five years.*

Q7: In subsequent phases, is there an opportunity for the Network Operator to take over construction of the remaining network?

A7: *Yes*

Q8: Is the City managing the infrastructure?

A8: *No, the City is not planning on managing the infrastructure.*

Q9: How will the City obtain the funding to build the network?

A9: *The City will fund construction of the network using bonds.*

Thanks,

Robert Miller  
Manager  
Technology Services  
City of Westminster  
410-848-4363  
rmiller@westgov.com