

Carrier / City Questions:

1. For the initial trial community you would connect to the Ignite / GENI network...
 - a. How many homes can participate and what bandwidth to the small businesses and homes is available for trials? (We are looking for a minimum of 100 Mbps symmetric and prefer 1 Gbps symmetric)
 - b. Do you have head-end / data center space available for initially two 19-inch racks? We would ask you to provide space, power, cooling, security, remote-hands support (at least during business hours but preferably 24x7), and very rarely (approximately from zero to two times per year) escorted physical access for someone from the Ignite / GENI team. (We need an answer of “yes”.)
 - c. Do you have layer 2 connectivity available from the location where the racks will be placed all the way to the small businesses and homes? What layer 2 architecture(s) are available? Ideally it's native layer 2 (and a home run for us is native layer 2 using OpenFlow-capable switches). Another option is layer 2 Ethernet VLANs. Tunnels through layer 3 architectures might be acceptable if the performance behavior is much like a native layer 2 architecture. What architecture(s) might be available?
 - d. What is the physical street address of the location which would have the racks?
 - e. What inter-city carriers (Level 3, Qwest, CenturyLink, Global Crossing, etc.) and/or regional / national R&E networks can easily provide service (we're thinking 10GE) to the location of the racks? How might that service be provided? (For example, do you have an extra fiber pair or an extra DWDM color to one or more of their PoPs from the location where the racks would be located? Or are they co-located with you? There are many options.)
 - f. Do you provide layer 3 ISP service for the trial customers? If not, what other ISP(s) would be involved in layer 3 connections for the trial community?
 - g. Is there a wireless infrastructure in that community apart from the normal cellular carriers?
2. Do you have a separate test lab co-located with the community where you would do initial trials? If so, please answer 1d, 1e, and 1f for the separate test lab. If the test lab will serve the community during the trial period, we also need 1a, 1b, and 1c answered for the test lab.
3. Please think about the pricing models would you consider adopting for the connected community. For example, would you 1) offer prices based on your current price tiers, 2) offer discounted prices 3) offer free services for a limited period of time?