

**Appendix A — Scenarios Considered by the Task Force**

	<b>Advantages</b>	<b>Disadvantages</b>
Full recovery via <b>Fixed Network Port Access Fee</b> (Current process at Cornell)	<ul style="list-style-type: none"> <li>Operational simplicity</li> <li>Continuity with current practices</li> <li>Fixed port counts provided near term revenue and cost predictability</li> </ul>	<ul style="list-style-type: none"> <li>Creates economic incentive repeaters (Hublets) and thereby fracture the network</li> <li>Erodes CIT revenue stream</li> <li>No feedback to customer for consumption</li> <li>Obfuscates relation between needed resource investment and consumption</li> <li>Only partially documents an individual user's consumption (e.g., purchase bandwidth)</li> </ul>
Full recovery via <b>Headcount Tax</b> (Fixed monthly charge to departments based on number of faculty, staff, and students associated with the department)	<ul style="list-style-type: none"> <li>Operational simplicity</li> <li>No economic incentive to disconnect ports and thereby fracture the network</li> <li>Provides revenue and cost predictability</li> </ul>	<ul style="list-style-type: none"> <li>No feedback to customer for consumption</li> <li>Obfuscates relation between needed resource investment and consumption</li> <li>Does not document and justify resource consumption</li> </ul>
Full recovery via <b>Usage-based Billing</b> (Variable charge to departments that is based upon users' consumption)	<ul style="list-style-type: none"> <li>Feedback to customer for excessive consumption</li> <li>No economic incentive to disconnect ports and thereby fracture the network</li> <li>Fully documents higher fees based on use</li> <li>Allows demand to justify expansion of CIT resources</li> </ul>	<ul style="list-style-type: none"> <li>Unpredictable revenue stream</li> <li>Operationally complex and expensive to implement</li> <li>Limited ability to reduce costs of excessive consumption in the short term</li> </ul>
Full recovery via a <b>Hybrid</b> of the above solutions	<ul style="list-style-type: none"> <li>Provides some revenue stability</li> <li>Minimal economic incentive to disconnect ports and thereby fracture the network</li> <li>Feedback to customer for excessive consumption</li> <li>Mostly documents increased charges based on use</li> <li>Allows demand to justify expansion of CIT resources</li> </ul>	<ul style="list-style-type: none"> <li>More operationally complex than a pure usage-based or headcount tax based solution</li> </ul>