

## Supplemental Information 1: Appendix E

BIP Map of Non-Rural Areas



## Supplemental Information 1: Appendix F

Puerto Rico Institute of Statistics Methodology Validation Letter



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July 15, 2009

Nathaniel González Santiago  
Critical Hub Networks, Inc.  
PO Box 11278  
San Juan, Puerto Rico 00910-1278

Dear Nathaniel González:

Thanks you for your confidence in the Puerto Rico Institute of Statistics. We are committed in helping the public and private sector in improving the quality of Puerto Rico statistical information. You have asked for the following: To comment on the methodology used by Critical Hub Networks in estimating the percentage of homes in Puerto Rico with high speed Internet.

The statistics available for high speed Internet access in Puerto Rico very is limited. Using the Census of the 2000 and a study from the Federal Communications Commission (2007), you estimated the percentage of homes in Puerto Rico with high speed Internet in 32.7%. This estimate seems to be reasonable considering the absence of better sources of information. However, we recommend the inclusion of the upper and lower confidence intervals. Using the Fleiss quadratic estimate for proportions, and based on 95% of confidence, these intervals are: 32.5% and 33.0%.

Kindly,

A handwritten signature in black ink, appearing to read 'Orville M. Disdier', is written over the typed name.

Orville M. Disdier, BS, MS, Ed.D(c)

Gerente de Proyectos Estadísticos

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### **Q33. Choice of Service Provider – Included in the supplementary Information**

In Question 33 of the application – Choice of Service Provider – the question asks if the project’s infrastructure and company’s business plan allow more than one provider to serve end users in the proposed funded service area. There is a check box provided – yes or no. However, the instructions specify that the applicant should discuss whether more than one service provider will be able to offer services using the funded network facilities, and, if so, how such access would be facilitated from both a business and technical perspective. Since no space was provided, we have included this response in the supplementary section of our application.

The PRBI not only allows more than one provider to serve end use in Puerto Rico, it was designed specifically for that! The Puerto Rico Bridge Initiative will reduce the backhaul costs to the Internet in the mainland for all service providers.

The network design provides each PRBI ISPs with their own VLAN from any bridge interconnection point to the [REDACTED] in [REDACTED]. Each ISP will have a port mapped to their VLAN, with which they can use to interconnect their network with the network service provider of their choice. ISPs will be invoiced based on the port size they request, be it [REDACTED]. PRBI will not discriminate nor prevent any ISP from connecting to the bridge facilities.

As stated in question 22 regarding our network openness policy, PRBI will offer interconnectivity and network peering to all ISPs which provide broadband services in Puerto Rico. We will also offer access to network facilities to any ISP that request it. Critical Hub’s data center will have two locations for ISPs to use.

First will be included as part of connecting to the interconnection point. The space [REDACTED]. This space can be used for any terminal equipment devices that are needed to connect to the bridge interconnection point. [REDACTED].

Second location would be as part of Critical Hub’s data center collocation offerings. Fees for this option will be reasonable, and within the industry standards. Collocation space will be available in the following forms, per rack unit, quarter rack, half rack, and full rack.

For both alternatives power accesses in all cases are charged separately, at a variable rate calculated monthly based on electrical cost variations. Power pricing is the same for non-ISP as for ISP customers.

The Puerto Rico Bridge Initiative will reduce the backhaul costs to the Internet in the mainland for all service providers. The Puerto Rico Bridge Initiative Steering Committee will be responsible for ensuring the openness, fairness and policies which relate to ISPs, including both the backhaul to the [REDACTED] as well as the peering services between networks.

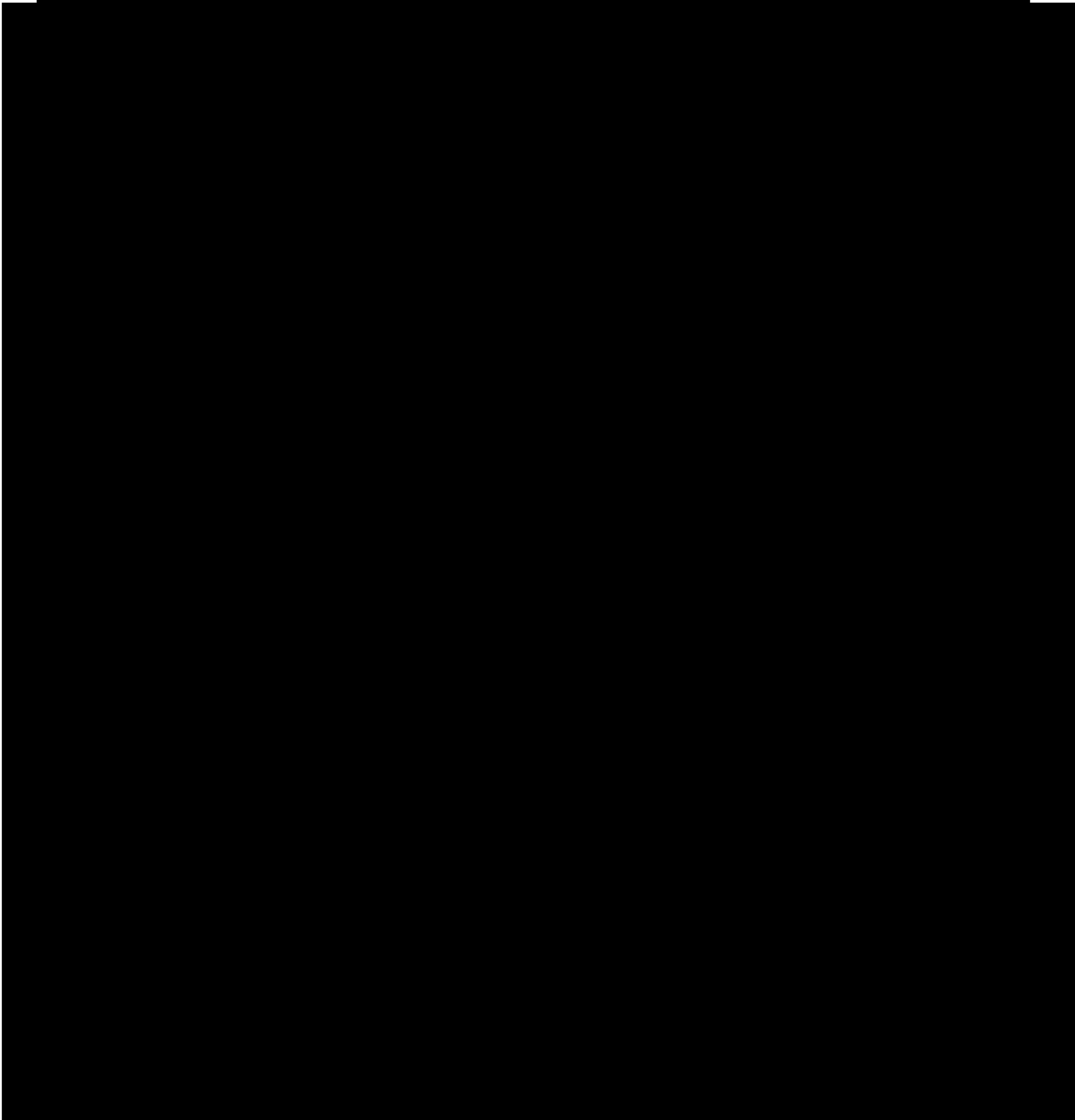
# DETAIL OF PROJECT COSTS

# Puerto Rico Bridge Initiative

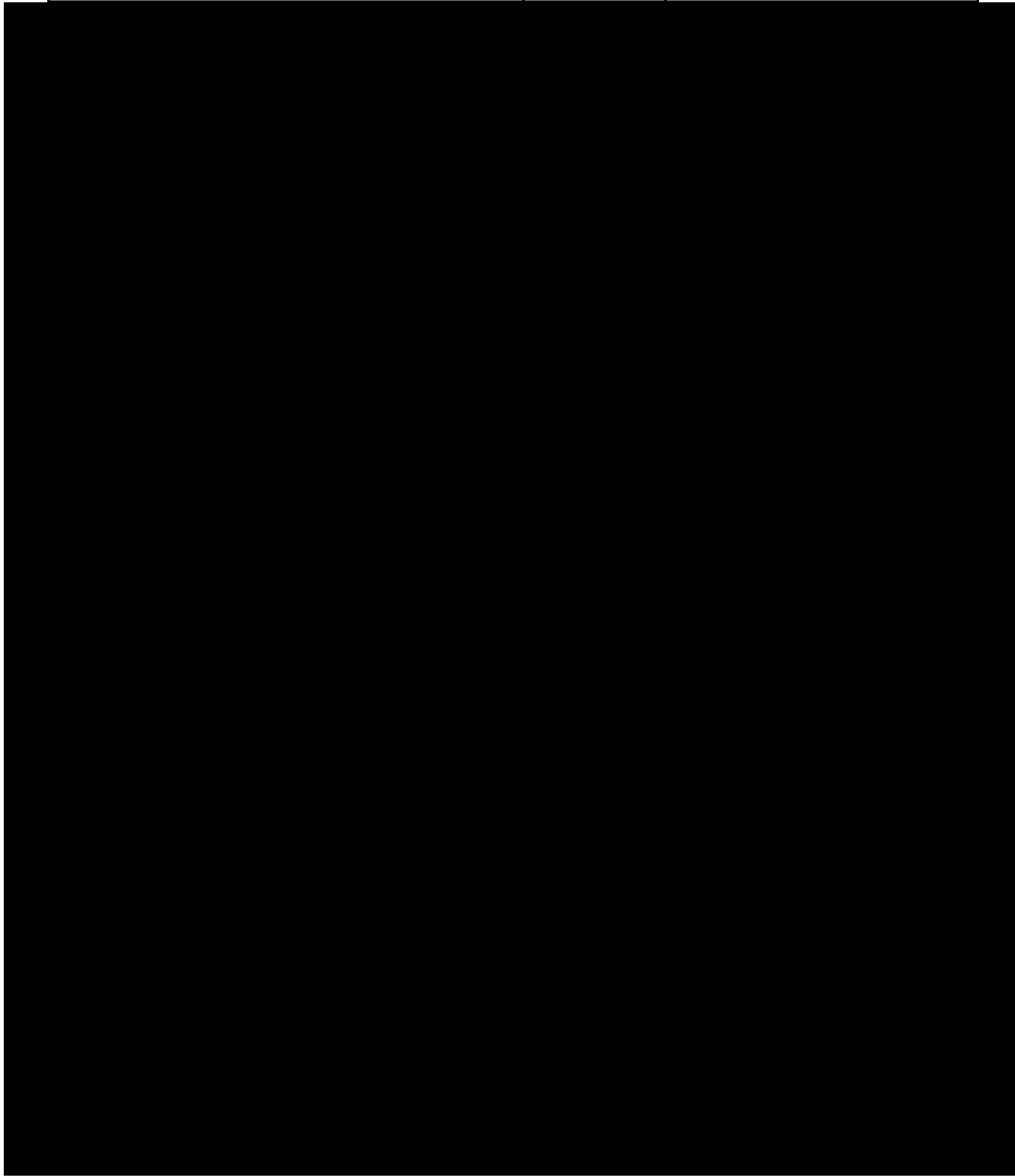
ATTACHMENT G - Supplementary Information 3

Critical Hub Networks, Inc

NETWORK & ACCESS EQUIPMENT	Total Cost
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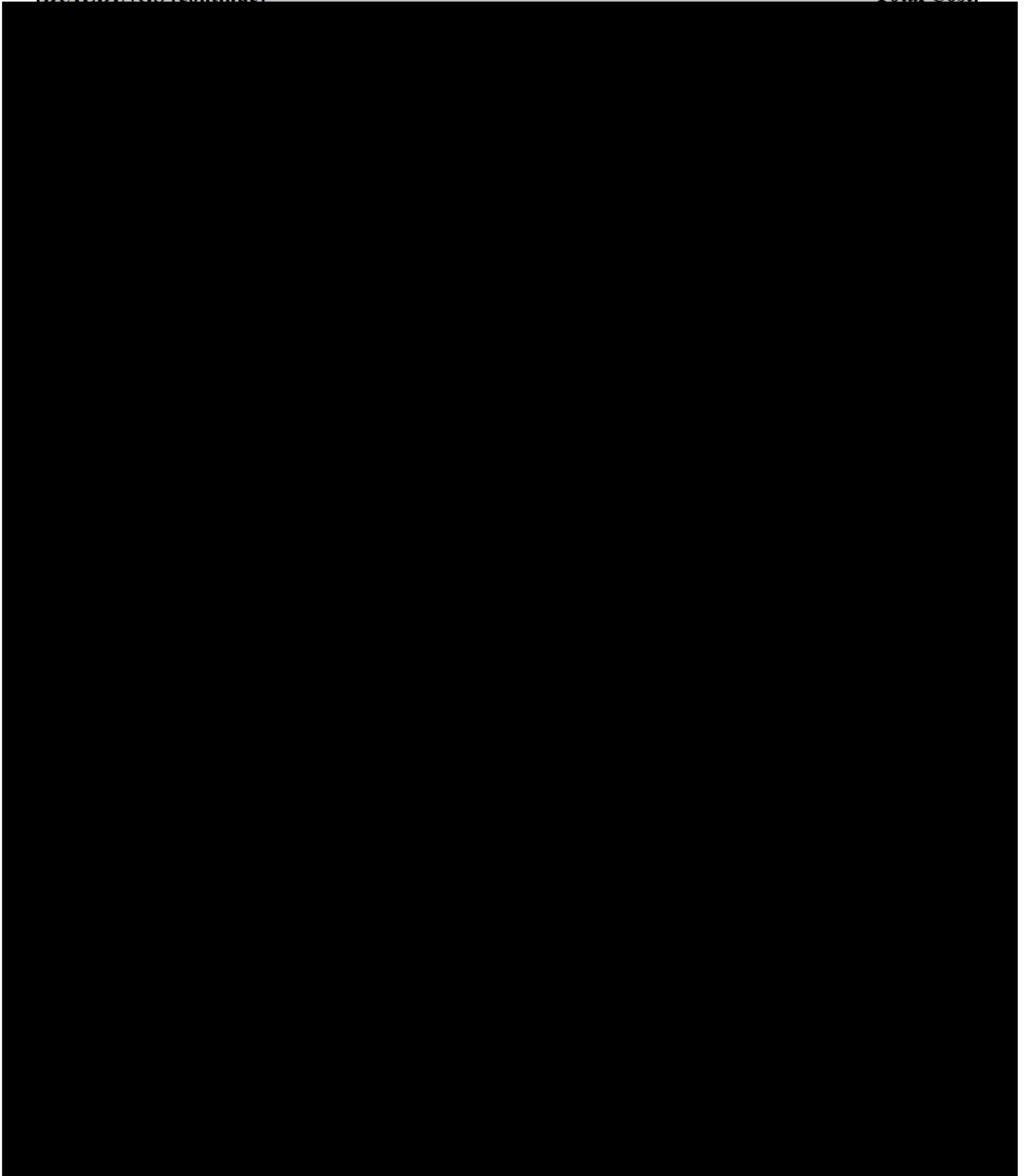
OUTSIDE PLANT		Total Cost
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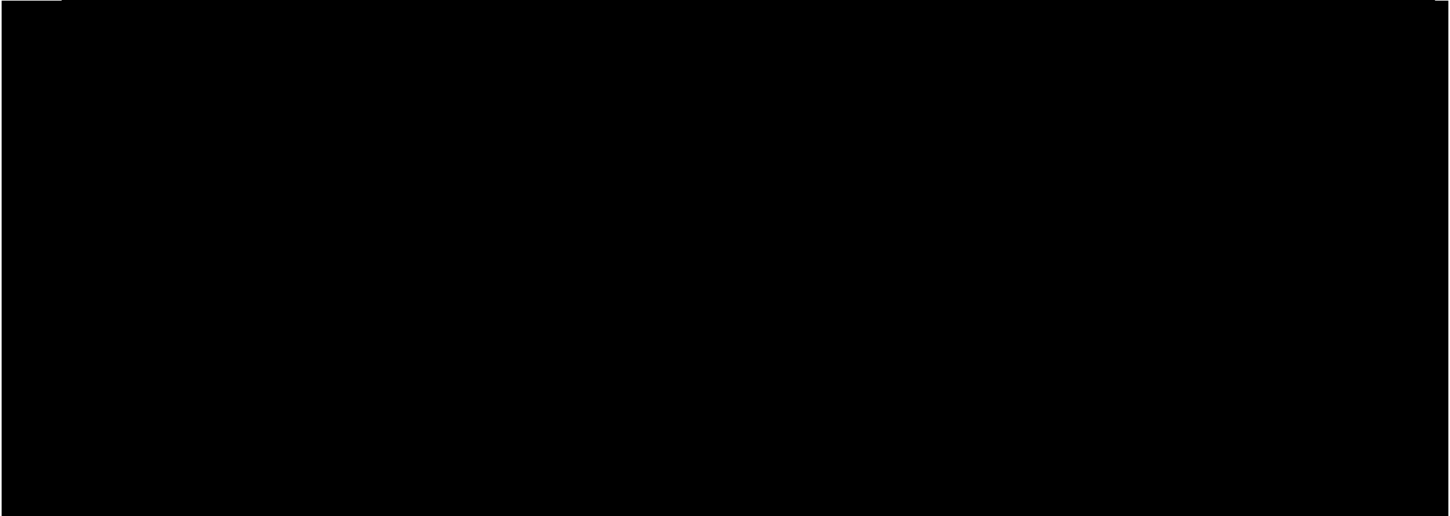
<b>OUTSIDE PLANT</b>	<b>Total Cost</b>
	

<b>BUILDINGS</b>	<b>Total Cost</b>
	



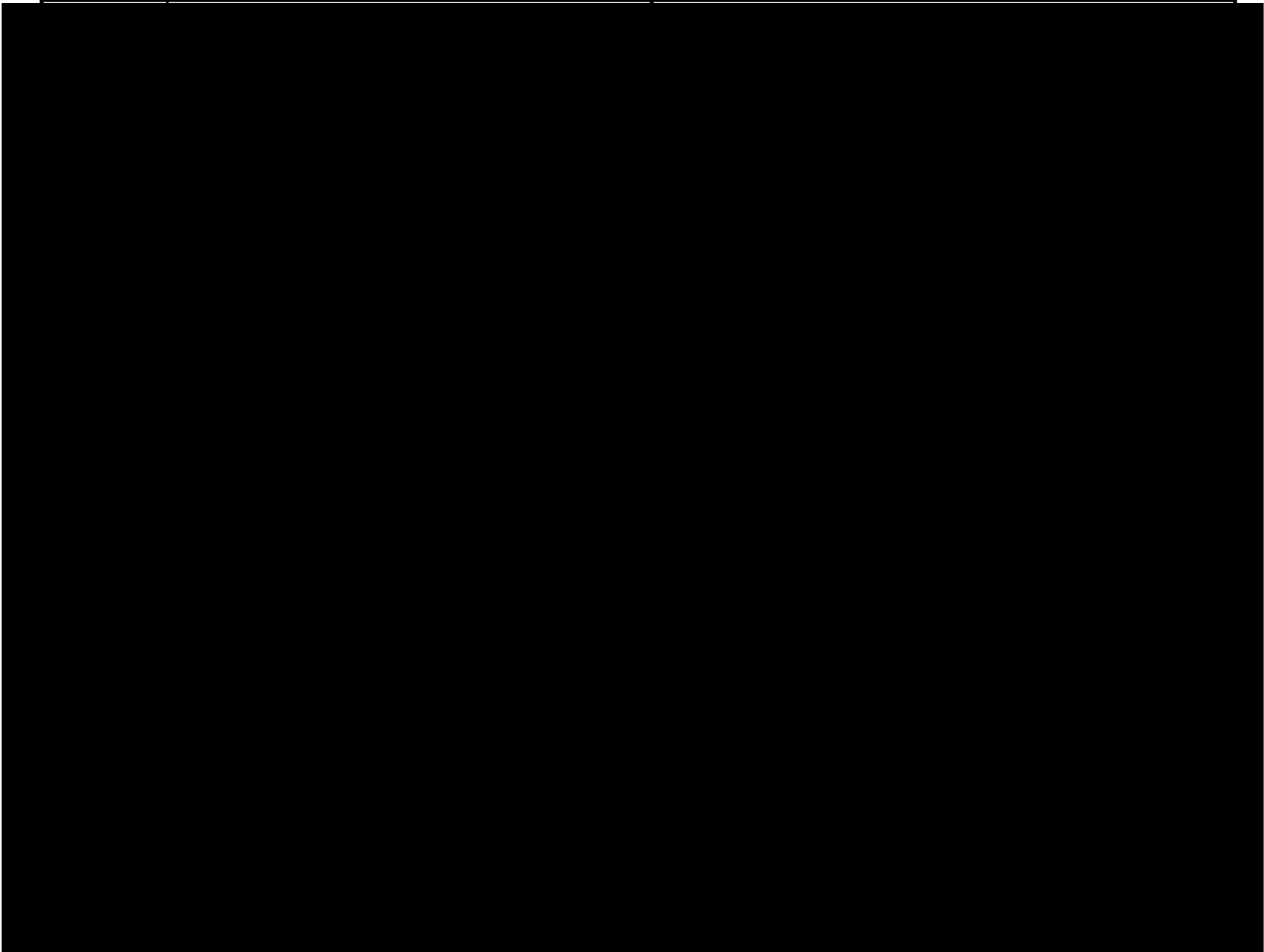
**BUILDINGS (continue)**

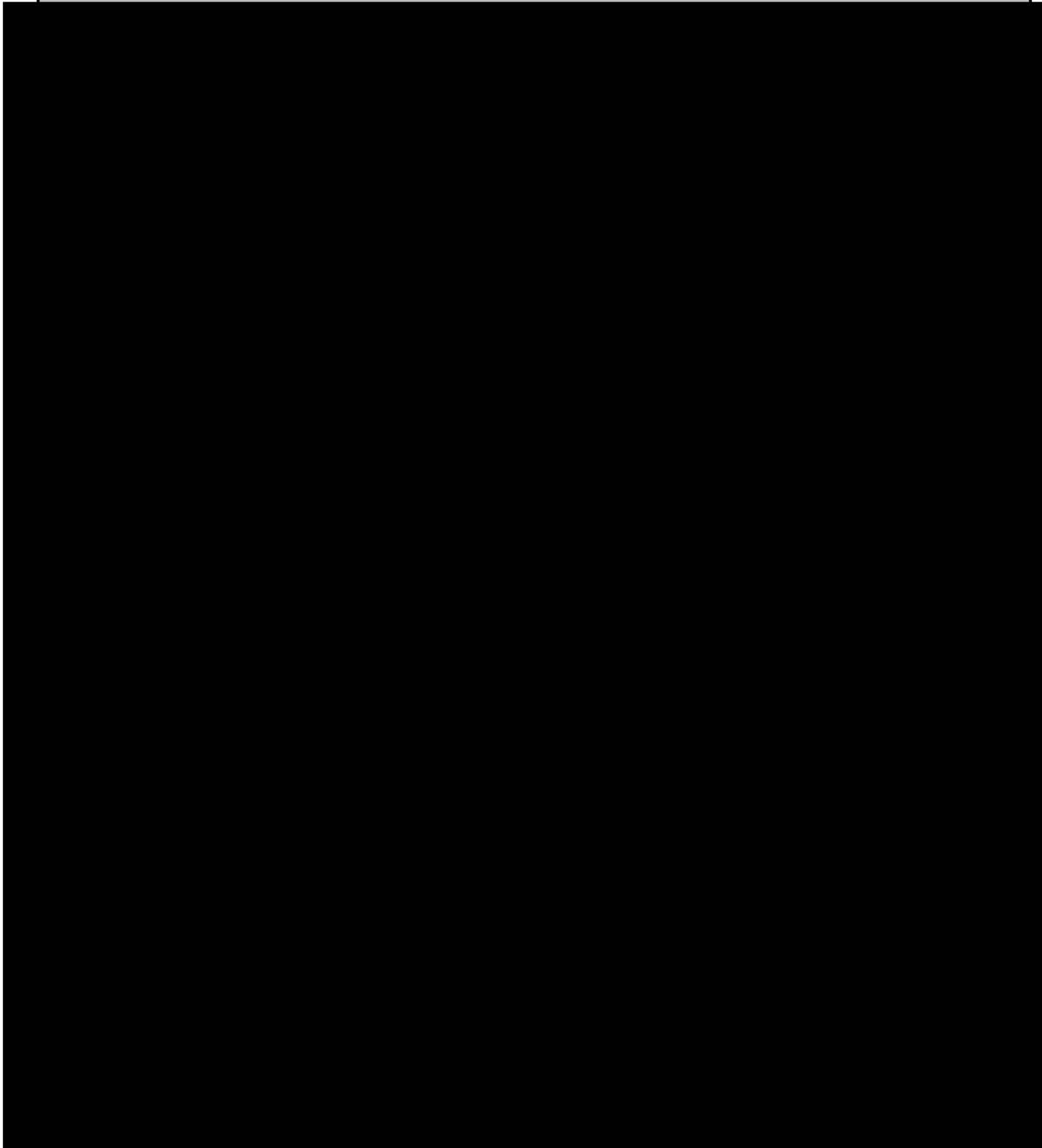
**Total Cost**



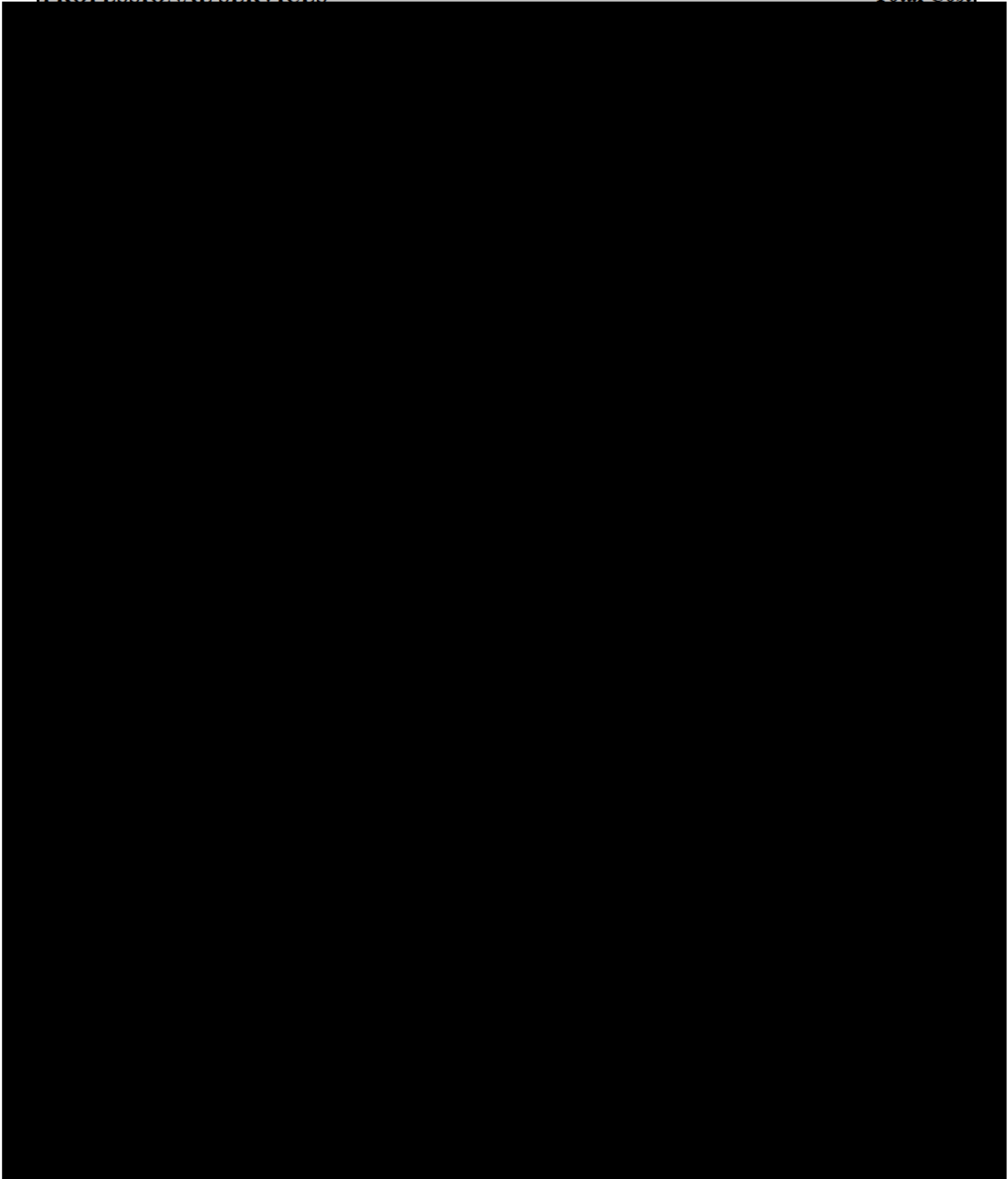
**OPERATING EQUIPMENT**

**Total Cost**







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PROFESSIONAL SERVICES	Total Cost
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[REDACTED]		
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TESTING		
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[REDACTED]		
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