IBM Global Business Services – U.S. Federal

Volume IV - Cost/Price Proposal
Representative Use Cases
November 19, 2012

U.S. Department of the Interior

Foundation Cloud Hosting Services

In Response to Solicitation #D12PS00316

Submitted to: Department of the Interior, NBC, AQD
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Herndon, VA 20170
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Introduction

International Business Machines Corporation Global Business Services U.S. Federal (IBM) is pleased to submit this proposal to the Department of the Interior (DOI)/National Business Center (NBC), Acquisition Services Directorate (AQD) for the Foundation Cloud Hosting Services (FCHS) acquisition, Solicitation No. D12PS00316.

This workbook contains the pricing for the four (4) representative use cases: Storage Services, Virtual Machine (VM) Hosting Services, Database (DB) Hosting Services, and Secure File Transfer Hosting Services.

For pricing and evaluation purposes for each of the use cases, we have used a start date of December 31, 2012 with the period of performance (POP) as shown in Table 1.

Table 1 - Period of Performance

Storage Services POP:
 Base Period: December 31, 2012 - December 30, 2013
 Option Period One: December 31, 2013 - December 30, 2014
 Option Period Two: December 31, 2014 - December 30, 2015
 Option Period Three: December 31, 2015 - December 30, 2016
Virtual Machine (VM) Hosting Services POP:
 Base Period: December 31, 2012 - December 30, 2015
 Option Period One: December 31, 2015 - December 30, 2017
 Option Period Two: December 31, 2017 - December 30, 2019
 Option Period Three: December 31, 2019 - December 30, 2021
Database (DB) Services POP:
 Base Period: December 31, 2012 - December 30, 2015
 Option Period One: December 31, 2015 - December 30, 2017
 Option Period Two: December 31, 2017 - December 30, 2019
 Option Period Three: December 31, 2019 - December 30, 2021
Secure File Transfer Services POP:
 Base Period: December 31, 2012 - December 30, 2015
 Option Period One: December 31, 2015 - December 30, 2016
 Option Period Two: December 31, 2016 - December 30, 2017
 Option Period Three: December 31, 2017 - December 30, 2018

IBM's proposal is valid for sixty (60) calendar days from the date specified for receipt of quotes or as requested in any subsequent amendment.

Attachment 9 - Representative Use Case for
Storage Hosting Services

Period of Performance: 10 years (3 year Base, 3 two year options, 1 one year option)

For the use Storage, VM Hosting, and DB Hosting use cases, per section J-7 of each use case, Portfolio A represents the LOWER service level and Portfolio B represents the HIGHER service level. Per the government's instructions, this differs from the Development and Test and Web Hosting, in which Portfolio A represents the HIGHER service level and Portfolio B represents the LOWER service level.

Service Portfolio A

CLIN Code	OS Code	OS	Operating System	Class	Sub Class	Months	Unit
0004AA-Tier 2	N/A	N/A	N/A	Class A Storage	Low Speed {SAN}	12	per GB per Month
0004AB-Tier 2	N/A	N/A	N/A	Class B Storage	Low Speed {SAN}	12	per GB per Month
0004AC-Tier 2	N/A	N/A	N/A	Class C Storage	Remote On-Line	12	per GB per Month
0004AD	N/A	N/A	N/A	Class D Storage	Long Term {Tape Library}	12	per GB per Month
0008AG	N/A	N/A	N/A	Service Desk Band4, Severity 1&2	N/A	12	per GB per Month
0008AH	N/A	N/A	N/A	Service Desk Band4, Severity 3&4	N/A	12	per GB per Month

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IBM Volume IV Use Case Price Proposal v7.xls
Attach 9 - Storage Portfolio A
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Attachment 9 - Representative Use Case for
Storage Hosting Services

Period of Performance:

				Base Period				Base Period			
				Year 1				Year 2			
Service Portfolio A				2013				2014			
CLIN Code	**OS Code**	**OS**	**Operating System**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**
0004AA-Tier 2	N/A	N/A	N/A								
0004AB-Tier 2	N/A	N/A	N/A								
0004AC-Tier 2	N/A	N/A	N/A								
0004AD	N/A	N/A	N/A								
0008AG	N/A	N/A	N/A								
0008AH	N/A	N/A	N/A								

(b) (4)

**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio A

CLIN Code	OS Code	OS	Operating System	Base Period Year 3 2015				Option Period 1 Year 4 2016			
				Unit Price	Discount Unit Price	Qty	Total Price	Unit Price	Discount Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A								
0004AB-Tier 2	N/A	N/A	N/A								
0004AC-Tier 2	N/A	N/A	N/A								
0004AD	N/A	N/A	N/A								
0008AG	N/A	N/A	N/A								
0008AH	N/A	N/A	N/A								

(b) (4)

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**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio A

				Option Period 1				Option Period 2			
				Year 5				Year 6			
				2017				2018			
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Qty	Total Price	Unit Price	Discount Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A								
0004AB-Tier 2	N/A	N/A	N/A								
0004AC-Tier 2	N/A	N/A	N/A								
0004AD	N/A	N/A	N/A								
0008AG	N/A	N/A	N/A								
0008AH	N/A	N/A	N/A								

(b) (4)

**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio A

CLIN Code	OS Code	OS	Operating System	Option Period 2				Option Period 3			
				Year 7				Year 8			
				2019				2020			
				Unit Price	Discount Unit Price	Qty	Total Price	Unit Price	Discount Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A								
0004AB-Tier 2	N/A	N/A	N/A								
0004AC-Tier 2	N/A	N/A	N/A								
0004AD	N/A	N/A	N/A								
0008AG	N/A	N/A	N/A								
0008AH	N/A	N/A	N/A								

(b) (4)

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**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

				Option Period 3				Option Period 4			
				Year 9				Year 10			
Service Portfolio A				2021				2022			
CLIN Code	**OS Code**	**OS**	**Operating System**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**
0004AA-Tier 2	N/A	N/A	N/A								
0004AB-Tier 2	N/A	N/A	N/A								
0004AC-Tier 2	N/A	N/A	N/A								
0004AD	N/A	N/A	N/A								
0008AG	N/A	N/A	N/A								
0008AH	N/A	N/A	N/A								

(b) (4)

**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio A

CLIN Code	OS Code	OS	Operating System	Total Contract
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)
0004AB-Tier 2	N/A	N/A	N/A	
0004AC-Tier 2	N/A	N/A	N/A	
0004AD	N/A	N/A	N/A	
0008AG	N/A	N/A	N/A	
0008AH	N/A	N/A	N/A	
				$ 22,595,955.50

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Attach 9 - Storage Portfolio A
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Attachment 9 - Representative Use Case for
Storage Hosting Services

Period of Performance: 10 years (3 year Base, 2 two year options, 1 one year option)

Portfolio A represents the LOWER service level and Portfolio B represents the HIGHER service level. Per the government's instructions, this differs from the Development and Test and Web Hosting, in which Portfolio A represents the HIGHER service level and Portfolio B represents the LOWER service level.

Service Portfolio B

CLIN Code	OS Code	OS	Operating System	Class	Sub Class	Months	Unit
0004AA-Tier 2	N/A	N/A	N/A	Class A Storage	Low Speed {SAN}	12	per GB per Month
0004AB-Tier 2	N/A	N/A	N/A	Class B Storage	Low Speed {SAN}	12	per GB per Month
0004AC-Tier 2	N/A	N/A	N/A	Class C Storage	Remote On-Line	12	per GB per Month
0004AD	N/A	N/A	N/A	Class D Storage	Long Term {Tape Library}	12	per GB per Month
0008AC	N/A	N/A	N/A	Service Desk Band2, Severity 1&2	N/A	12	per GB per Month
0008AD	N/A	N/A	N/A	Service Desk Band2, Severity 3&4	N/A	12	per GB per Month

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**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio B

				Base Period				
				Year 1				
				2013				
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)				
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

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**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio B

				Base Period				
				Year 2				
				2014				
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A					
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

(b) (4)

**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio B

				Base Period				
				Year 3				
				2015				
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)				
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

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**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

				Option Period 1				
				Year 4				
Service Portfolio B				2016				
CLIN Code	**OS Code**	**OS**	**Operating System**	**Unit Price**	**Discount Unit Price**	**Availability Service Band 1 Unit Price**	**Qty**	**Total Price**
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)				
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

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**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

				Option Period 1				
				Year 5				
Service Portfolio B				2017				
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)				
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio B

				Option Period 2				
				Year 6				
				2018				
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)				
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

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**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio B

				Option Period 2				
				Year 7				
				2019				
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)				
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio B

				Option Period 3				
				Year 8				
				2020				
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)				
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

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Attach 9 - Storage Portfolio B
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**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio B

				Option Period 3				
				Year 9				
				2021				
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)				
0004AB-Tier 2	N/A	N/A	N/A					
0004AC-Tier 2	N/A	N/A	N/A					
0004AD	N/A	N/A	N/A					
0008AC	N/A	N/A	N/A					
0008AD	N/A	N/A	N/A					

**Attachment 9 - Representative Use Case for
Storage Hosting Services**

Period of Performance:

Service Portfolio B

				Option Period 4					
				Year 10					
				2022					
CLIN Code	OS Code	OS	Operating System	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price	Total Contract
0004AA-Tier 2	N/A	N/A	N/A	(b) (4)					
0004AB-Tier 2	N/A	N/A	N/A						
0004AC-Tier 2	N/A	N/A	N/A						
0004AD	N/A	N/A	N/A						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						
							(b) (4)		$ 43,895,126.52

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:	10 years (3 year Base, 3 two year options, 1 one year option)

For the use Storage, VM Hosting, and DB Hosting use cases, per section J-7 of each use case, Portfolio A represents the LOWER service level and Portfolio B represents the HIGHER service level. Per the government's instructions, this differs from the Development and Test and Web Hosting, in which Portfolio A represents the HIGHER service level and Portfolio B represents the LOWER service level.

Service Portfolio A

CLIN Code	OS Code	OS	Operating System	Class	Sub Class	% of servers	Duty Cycle %
0005AA	OS0001	Microsoft Windows	Enterprise Server	Standard	Extra Small	6.0%	33.0%
0005AB	OS0001	Microsoft Windows	Enterprise Server	Standard	Small	12.0%	33.0%
0005AC	OS0001	Microsoft Windows	Enterprise Server	Standard	Medium	30.0%	33.0%
0005AD	OS0001	Microsoft Windows	Enterprise Server	Standard	Large	9.0%	33.0%
0005AE	OS0001	Microsoft Windows	Enterprise Server	Standard	Extra Large	3.0%	33.0%
0005AF	OS0001	Microsoft Windows	Enterprise Server	High Memory	Extra Small	2.0%	33.0%
0005AG	OS0002	LINUX	Centos	High Memory	Small	4.0%	33.0%
0005AH	OS0002	LINUX	Centos	High Memory	Medium	10.0%	33.0%
0005AJ	OS0002	LINUX	Centos	High Memory	Large	3.0%	33.0%
0005AK	OS0001	Microsoft Windows	Enterprise Server	High Memory	Extra Large	1.0%	33.0%
0005AL	OS0002	LINUX	Centos	High Computing	Medium	3.0%	33.0%
0005AM	OS0009	IBM	AIX (Standard)	High Computing	Large	7.5%	33.0%
0005AN	OS0001	Microsoft Windows	Enterprise Server	High Computing	Extra Large	4.5%	33.0%
0005AP	OS0001	Microsoft Windows	Enterprise Server	High Performance Cluster	Large	2.5%	33.0%
0005AQ	OS0009	IBM	AIX (Enterprise)	High Performance Cluster	Extra Large	2.5%	33.0%
0008AG	N/A	N/A	N/A	Service Desk Band4, Severity 1&2	N/A		100.0%
0008AH	N/A	N/A	N/A	Service Desk Band4, Severity 3&4	N/A		100.0%

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio A

CLIN Code	OS Code	OS	Operating System	Months	Unit	Base Period Year 1 2013				
						Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	12	per Month	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server	12	per Month					
0005AC	OS0001	Microsoft Windows	Enterprise Server	12	per Month					
0005AD	OS0001	Microsoft Windows	Enterprise Server	12	per Month					
0005AE	OS0001	Microsoft Windows	Enterprise Server	12	per Month					
0005AF	OS0001	Microsoft Windows	Enterprise Server	12	per Month					
0005AG	OS0002	LINUX	Centos	12	per Month					
0005AH	OS0002	LINUX	Centos	12	per Month					
0005AJ	OS0002	LINUX	Centos	12	per Month					
0005AK	OS0001	Microsoft Windows	Enterprise Server	12	per Month					
0005AL	OS0002	LINUX	Centos	12	per Month					
0005AM	OS0009	IBM	AIX (Standard)	12	per Month					
0005AN	OS0001	Microsoft Windows	Enterprise Server	12	per Month					
0005AP	OS0001	Microsoft Windows	Enterprise Server	12	per Month					
0005AQ	OS0009	IBM	AIX (Enterprise)	12	per Month					
0008AG	N/A	N/A	N/A	12	per VM per month					
0008AH	N/A	N/A	N/A	12	per VM per month					

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio A

				Base Period				
				Year 2				
				2014				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0002	LINUX	Centos					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0001	Microsoft Windows	Enterprise Server					
0005AP	OS0001	Microsoft Windows	Enterprise Server					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

**Attachment 10 - Representative Use Case for Virtual Machine
Hosting Services**

Period of Performance:

Service Portfolio A

				Base Period				
				Year 3				
				2015				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0002	LINUX	Centos					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0001	Microsoft Windows	Enterprise Server					
0005AP	OS0001	Microsoft Windows	Enterprise Server					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio A

				Option Period 1				
				Year 4				
				2016				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0002	LINUX	Centos					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0001	Microsoft Windows	Enterprise Server					
0005AP	OS0001	Microsoft Windows	Enterprise Server					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

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**Attachment 10 - Representative Use Case for Virtual Machine
Hosting Services**

Period of Performance:

Service Portfolio A

				Option Period 1				
				Year 5				
				2017				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0002	LINUX	Centos					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0001	Microsoft Windows	Enterprise Server					
0005AP	OS0001	Microsoft Windows	Enterprise Server					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio A

CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
				Option Period 2				
				Year 6				
				2018				
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0002	LINUX	Centos					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0001	Microsoft Windows	Enterprise Server					
0005AP	OS0001	Microsoft Windows	Enterprise Server					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

				Option Period 2				
				Year 7				
Service Portfolio A				2019				
CLIN Code	**OS Code**	**OS**	**Operating System**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0002	LINUX	Centos					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0001	Microsoft Windows	Enterprise Server					
0005AP	OS0001	Microsoft Windows	Enterprise Server					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio A

				Option Period 3				
				Year 8				
				2020				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0002	LINUX	Centos					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0001	Microsoft Windows	Enterprise Server					
0005AP	OS0001	Microsoft Windows	Enterprise Server					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio A

				Option Period 3				
				Year 9				
				2021				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0002	LINUX	Centos					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0001	Microsoft Windows	Enterprise Server					
0005AP	OS0001	Microsoft Windows	Enterprise Server					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio A

				Option Period 4					
				Year 10					
				2022					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price	Total Contract
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AG	N/A	N/A	N/A						
0008AH	N/A	N/A	N/A						
						(b) (4)		$	53,994,945.77

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:	10 years (3 year Base, 3 two year options, 1 one year option)

For the use Storage, VM Hosting, and DB Hosting use cases, per section J-7 of each use case, Portfolio A represents the LOWER service level and Portfolio B represents the HIGHER service level. Per the government's instructions, this differs from the Development and Test and Web Hosting, in which Portfolio A represents the HIGHER service level and Portfolio B represents the LOWER service level.

Service Portfolio B

CLIN Code	OS Code	OS	Operating System	Class	Sub Class	% of servers	Duty Cycle %	Months
0005AA	OS0001	Microsoft Windows	Enterprise Server	Standard	Extra Small	6.0%	33.0%	12
0005AB	OS0001	Microsoft Windows	Enterprise Server	Standard	Small	12.0%	33.0%	12
0005AC	OS0001	Microsoft Windows	Enterprise Server	Standard	Medium	30.0%	33.0%	12
0005AD	OS0001	Microsoft Windows	Enterprise Server	Standard	Large	9.0%	33.0%	12
0005AE	OS0001	Microsoft Windows	Enterprise Server	Standard	Extra Large	3.0%	33.0%	12
0005AF	OS0001	Microsoft Windows	Enterprise Server	High Memory	Extra Small	2.0%	33.0%	12
0005AG	OS0002	LINUX	Centos	High Memory	Small	4.0%	33.0%	12
0005AH	OS0002	LINUX	Centos	High Memory	Medium	10.0%	33.0%	12
0005AJ	OS0002	LINUX	Centos	High Memory	Large	3.0%	33.0%	12
0005AK	OS0001	Microsoft Windows	Enterprise Server	High Memory	Extra Large	1.0%	33.0%	12
0005AL	OS0002	LINUX	Centos	High Computing	Medium	3.0%	33.0%	12
0005AM	OS0009	IBM	AIX (Standard)	High Computing	Large	7.5%	33.0%	12
0005AN	OS0001	Microsoft Windows	Enterprise Server	High Computing	Extra Large	4.5%	33.0%	12
0005AP	OS0001	Microsoft Windows	Enterprise Server	High Performance Cluster	Large	2.5%	33.0%	12
0005AQ	OS0009	IBM	AIX (Enterprise)	High Performance Cluster	Extra Large	2.5%	33.0%	12
0008AC	N/A	N/A	N/A	Service Desk Band2, Severity 1&2	N/A		100.0%	12
0008AD	N/A	N/A	N/A	Service Desk Band2, Severity 3&4	N/A		100.0%	12

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

						Base Period					
						Year 1					
Service Portfolio B						2013					
CLIN Code	**OS Code**	**OS**	**Operating System**	**Unit**	**Service Level Bands**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Availability Service Band 1 Unit Price**	**Qty**	**Total Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	per Month	1	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AC	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AD	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AE	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AF	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AG	OS0002	LINUX	Centos	per Month	1						
0005AH	OS0002	LINUX	Centos	per Month	1						
0005AJ	OS0002	LINUX	Centos	per Month	1						
0005AK	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AL	OS0002	LINUX	Centos	per Month	1						
0005AM	OS0009	IBM	AIX (Standard)	per Month	1						
0005AN	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AP	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AQ	OS0009	IBM	AIX (Enterprise)	per Month	1						
0008AC	N/A	N/A	N/A	per VM per month							
0008AD	N/A	N/A	N/A	per VM per month							

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio B

				Base Period					
				Year 2					
				2014					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio B

				Base Period					
				Year 3					
				2015					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio B

				Option Period 1					
				Year 4					
				2016					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio B

| CLIN Code | OS Code | OS | Operating System | Option Period 1 Year 5 2017 | | | | | |
				Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

				Option Period 2				
				Year 6				
Service Portfolio B				2018				
CLIN Code	**OS Code**	**OS**	**Operating System**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Availability Service Band 1 Unit Price**	**Qty**	**Total Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio B

				Option Period 2					
				Year 7					
				2019					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio B

				Option Period 3					
				Year 8					
				2020					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

Attachment 10 - Representative Use Case for Virtual Machine Hosting Services

Period of Performance:

Service Portfolio B

				Option Period 3					
				Year 9					
				2021					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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Attach10 VM Hosting-Portfolio B
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**Attachment 10 - Representative Use Case for Virtual Machine
Hosting Services**

Period of Performance:

Service Portfolio B

CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price	Total Contract
				Option Period 4						
				Year 10						
				2022						
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)						
0005AB	OS0001	Microsoft Windows	Enterprise Server							
0005AC	OS0001	Microsoft Windows	Enterprise Server							
0005AD	OS0001	Microsoft Windows	Enterprise Server							
0005AE	OS0001	Microsoft Windows	Enterprise Server							
0005AF	OS0001	Microsoft Windows	Enterprise Server							
0005AG	OS0002	LINUX	Centos							
0005AH	OS0002	LINUX	Centos							
0005AJ	OS0002	LINUX	Centos							
0005AK	OS0001	Microsoft Windows	Enterprise Server							
0005AL	OS0002	LINUX	Centos							
0005AM	OS0009	IBM	AIX (Standard)							
0005AN	OS0001	Microsoft Windows	Enterprise Server							
0005AP	OS0001	Microsoft Windows	Enterprise Server							
0005AQ	OS0009	IBM	AIX (Enterprise)							
0008AC	N/A	N/A	N/A							
0008AD	N/A	N/A	N/A							
									(b) (4)	$87,089,400.80

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance: 10 years (3 year Base, 3 two year options, 1 one year option)

For the use Storage, VM Hosting, and DB Hosting use cases, per section J-7 of each use case, Portfolio A represents the LOWER service level and Portfolio B represents the HIGHER service level. Per the government's instructions, this differs from the Development and Test and Web Hosting, in which Portfolio A represents the HIGHER service level and Portfolio B represents the LOWER service level.

Service Portfolio A

CLIN Code	OS Code	OS	Operating System	Class	Sub Class	% of servers	Duty Cycle %	Months
0005AA	OS0001	Microsoft Windows	Enterprise Server	Standard	Extra Small	6.0%	33.0%	12
0005AB	OS0001	Microsoft Windows	Enterprise Server	Standard	Small	12.0%	33.0%	12
0005AC	OS0001	Microsoft Windows	Enterprise Server	Standard	Medium	30.0%	33.0%	12
0005AD	OS0001	Microsoft Windows	Enterprise Server	Standard	Large	9.0%	33.0%	12
0005AE	OS0001	Microsoft Windows	Enterprise Server	Standard	Extra Large	3.0%	33.0%	12
0005AF	OS0001	Microsoft Windows	Enterprise Server	High Memory	Extra Small	2.0%	33.0%	12
0005AG	OS0002	LINUX	Centos	High Memory	Small	4.0%	33.0%	12
0005AH	OS0002	LINUX	Centos	High Memory	Medium	10.0%	33.0%	12
0005AJ	OS0002	LINUX	Centos	High Memory	Large	3.0%	33.0%	12
0005AK	OS0001	Microsoft Windows	Enterprise Server	High Memory	Extra Large	1.0%	33.0%	12
0005AL	OS0011	Bring Your Own	BYO	High Computing	Medium	3.0%	33.0%	12
0005AM	OS0009	IBM	AIX (Standard)	High Computing	Large	7.5%	33.0%	12
0005AN	OS0011	Bring Your Own	BYO	High Computing	Extra Large	4.5%	33.0%	12
0005AP	OS0011	Bring Your Own	BYO	High Performance Cluster	Large	2.5%	33.0%	12
0005AQ	OS0009	IBM	AIX (Enterprise)	High Performance Cluster	Extra Large	2.5%	33.0%	12
0008AG	N/A	N/A	N/A	Service Desk Band4, Severity 1&2	N/A	100.0%	100.0%	12
0008AH	N/A	N/A	N/A	Service Desk Band4, Severity 3&4	N/A	100.0%	100.0%	12

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IBM

**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

Service Portfolio A

					Base Period				
					Year 1				
					2013				
CLIN Code	OS Code	OS	Operating System	Unit	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	per Month	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server	per Month					
0005AC	OS0001	Microsoft Windows	Enterprise Server	per Month					
0005AD	OS0001	Microsoft Windows	Enterprise Server	per Month					
0005AE	OS0001	Microsoft Windows	Enterprise Server	per Month					
0005AF	OS0001	Microsoft Windows	Enterprise Server	per Month					
0005AG	OS0002	LINUX	Centos	per Month					
0005AH	OS0002	LINUX	Centos	per Month					
0005AJ	OS0002	LINUX	Centos	per Month					
0005AK	OS0001	Microsoft Windows	Enterprise Server	per Month					
0005AL	OS0011	Bring Your Own	BYO	per Month					
0005AM	OS0009	IBM	AIX (Standard)	per Month					
0005AN	OS0011	Bring Your Own	BYO	per Month					
0005AP	OS0011	Bring Your Own	BYO	per Month					
0005AQ	OS0009	IBM	AIX (Enterprise)	per Month					
0008AG	N/A	N/A	N/A	per VM per month					
0008AH	N/A	N/A	N/A	per VM per month					

**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

				Base Period				
				Year 2				
Service Portfolio A				2014				
CLIN Code	**OS Code**	**OS**	**Operating System**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0011	Bring Your Own	BYO					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0011	Bring Your Own	BYO					
0005AP	OS0011	Bring Your Own	BYO					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

				Base Period				
				Year 3				
Service Portfolio A				2015				
CLIN Code	**OS Code**	**OS**	**Operating System**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0011	Bring Your Own	BYO					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0011	Bring Your Own	BYO					
0005AP	OS0011	Bring Your Own	BYO					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

IBM

**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

				Option Period 1				
				Year 4				
Service Portfolio A				2016				
CLIN Code	**OS Code**	**OS**	**Operating System**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0011	Bring Your Own	BYO					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0011	Bring Your Own	BYO					
0005AP	OS0011	Bring Your Own	BYO					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

Attachment 11 - Representative Use Case for
Database Hosting Services

Period of Performance:

Service Portfolio A

				Option Period 1				
				Year 5				
				2017				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0011	Bring Your Own	BYO					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0011	Bring Your Own	BYO					
0005AP	OS0011	Bring Your Own	BYO					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

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Attachment 11 - Representative Use Case for
Database Hosting Services

Period of Performance:

				Option Period 2				
				Year 6				
Service Portfolio A				2018				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0011	Bring Your Own	BYO					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0011	Bring Your Own	BYO					
0005AP	OS0011	Bring Your Own	BYO					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

				Option Period 2				
				Year 7				
Service Portfolio A				2019				
CLIN Code	**OS Code**	**OS**	**Operating System**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Qty**	**Total Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0011	Bring Your Own	BYO					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0011	Bring Your Own	BYO					
0005AP	OS0011	Bring Your Own	BYO					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

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Attachment 11 - Representative Use Case for
Database Hosting Services

Period of Performance:

				Option Period 3				
				Year 8				
Service Portfolio A				2020				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0011	Bring Your Own	BYO					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0011	Bring Your Own	BYO					
0005AP	OS0011	Bring Your Own	BYO					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

Attachment 11 - Representative Use Case for
Database Hosting Services

Period of Performance:

Service Portfolio A

				Option Period 3				
				Year 9				
				2021				
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)				
0005AB	OS0001	Microsoft Windows	Enterprise Server					
0005AC	OS0001	Microsoft Windows	Enterprise Server					
0005AD	OS0001	Microsoft Windows	Enterprise Server					
0005AE	OS0001	Microsoft Windows	Enterprise Server					
0005AF	OS0001	Microsoft Windows	Enterprise Server					
0005AG	OS0002	LINUX	Centos					
0005AH	OS0002	LINUX	Centos					
0005AJ	OS0002	LINUX	Centos					
0005AK	OS0001	Microsoft Windows	Enterprise Server					
0005AL	OS0011	Bring Your Own	BYO					
0005AM	OS0009	IBM	AIX (Standard)					
0005AN	OS0011	Bring Your Own	BYO					
0005AP	OS0011	Bring Your Own	BYO					
0005AQ	OS0009	IBM	AIX (Enterprise)					
0008AG	N/A	N/A	N/A					
0008AH	N/A	N/A	N/A					

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

Service Portfolio A

				Option Period 4					
				Year 10					
				2022					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Qty	Total Price	Total Contract
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0011	Bring Your Own	BYO						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0011	Bring Your Own	BYO						
0005AP	OS0011	Bring Your Own	BYO						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AG	N/A	N/A	N/A						
0008AH	N/A	N/A	N/A						
								(b) (4)	$13,207,539.87

Attachment 11 - Representative Use Case for
Database Hosting Services

Period of Performance: 10 years (3 year Base, 3 two year options, 1 one year option)

For the use Storage, VM Hosting, and DB Hosting use cases, per section J-7 of each use case, Portfolio A represents the LOWER service level and Portfolio B represents the HIGHER service level. Per the government's instructions, this differs from the Development and Test and Web Hosting, in which Portfolio A represents the HIGHER service level and Portfolio B represents the LOWER service level.

Service Portfolio B

CLIN Code	OS Code	OS	Operating System	Class	Sub Class	% of servers	Duty Cycle %	Months
0005AA	OS0001	Microsoft Windows	Enterprise Server	Standard	Extra Small	6.0%	33.0%	12
0005AB	OS0001	Microsoft Windows	Enterprise Server	Standard	Small	12.0%	33.0%	12
0005AC	OS0001	Microsoft Windows	Enterprise Server	Standard	Medium	30.0%	33.0%	12
0005AD	OS0001	Microsoft Windows	Enterprise Server	Standard	Large	9.0%	33.0%	12
0005AE	OS0001	Microsoft Windows	Enterprise Server	Standard	Extra Large	3.0%	33.0%	12
0005AF	OS0001	Microsoft Windows	Enterprise Server	High Memory	Extra Small	2.0%	33.0%	12
0005AG	OS0002	LINUX	Centos	High Memory	Small	4.0%	33.0%	12
0005AH	OS0002	LINUX	Centos	High Memory	Medium	10.0%	33.0%	12
0005AJ	OS0002	LINUX	Centos	High Memory	Large	3.0%	33.0%	12
0005AK	OS0001	Microsoft Windows	Enterprise Server	High Memory	Extra Large	1.0%	33.0%	12
0005AL	OS0002	LINUX	Centos	High Computing	Medium	3.0%	33.0%	12
0005AM	OS0009	IBM	AIX (Standard)	High Computing	Large	7.5%	33.0%	12
0005AN	OS0001	Microsoft Windows	Enterprise Server	High Computing	Extra Large	4.5%	33.0%	12
0005AP	OS0001	Microsoft Windows	Enterprise Server	High Performance Cluster	Large	2.5%	33.0%	12
0005AQ	OS0009	IBM	AIX (Enterprise)	High Performance Cluster	Extra Large	2.5%	33.0%	12
0008AC	N/A	N/A	N/A	Service Desk Band2, Severity 1&2	N/A	100.0%	100.0%	12
0008AD	N/A	N/A	N/A	Service Desk Band2, Severity 3&4	N/A	100.0%	100.0%	12

**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

Service Portfolio B

						Base Period					
						Year 1					
						2013					
CLIN Code	OS Code	OS	Operating System	Unit	Service Level Bands	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	per Month	1	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AC	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AD	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AE	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AF	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AG	OS0002	LINUX	Centos	per Month	1						
0005AH	OS0002	LINUX	Centos	per Month	1						
0005AJ	OS0002	LINUX	Centos	per Month	1						
0005AK	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AL	OS0002	LINUX	Centos	per Month	1						
0005AM	OS0009	IBM	AIX (Standard)	per Month	1						
0005AN	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AP	OS0001	Microsoft Windows	Enterprise Server	per Month	1						
0005AQ	OS0009	IBM	AIX (Enterprise)	per Month	1						
0008AC	N/A	N/A	N/A	per VM per month							
0008AD	N/A	N/A	N/A	per VM per month							

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

Service Portfolio B

CLIN Code	OS Code	OS	Operating System	Base Period Year 2 2014					
				Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

Service Portfolio B

				Base Period					
				Year 3					
				2015					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

				Option Period 1					
				Year 4					
Service Portfolio B				2016					
CLIN Code	**OS Code**	**OS**	**Operating System**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Availability Service Band 1 Unit Price**	**Qty**	**Total Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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Attachment 11 - Representative Use Case for
Database Hosting Services

Period of Performance:

				Option Period 1					
				Year 5					
				2017					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

				Option Period 2					
				Year 6					
				2018					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

Service Portfolio B

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**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

Service Portfolio B

				Option Period 2					
				Year 7					
				2019					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

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Attachment 11 - Representative Use Case for Database Hosting Services

Period of Performance:

				Option Period 3					
				Year 8					
Service Portfolio B				2020					
CLIN Code	OS Code	OS	Operating System	Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

				Option Period 3					
				Year 9					
Service Portfolio B				2021					
CLIN Code	**OS Code**	**OS**	**Operating System**	**Avg VMs**	**Unit Price**	**Discount Unit Price**	**Availability Service Band 1 Unit Price**	**Qty**	**Price**
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)					
0005AB	OS0001	Microsoft Windows	Enterprise Server						
0005AC	OS0001	Microsoft Windows	Enterprise Server						
0005AD	OS0001	Microsoft Windows	Enterprise Server						
0005AE	OS0001	Microsoft Windows	Enterprise Server						
0005AF	OS0001	Microsoft Windows	Enterprise Server						
0005AG	OS0002	LINUX	Centos						
0005AH	OS0002	LINUX	Centos						
0005AJ	OS0002	LINUX	Centos						
0005AK	OS0001	Microsoft Windows	Enterprise Server						
0005AL	OS0002	LINUX	Centos						
0005AM	OS0009	IBM	AIX (Standard)						
0005AN	OS0001	Microsoft Windows	Enterprise Server						
0005AP	OS0001	Microsoft Windows	Enterprise Server						
0005AQ	OS0009	IBM	AIX (Enterprise)						
0008AC	N/A	N/A	N/A						
0008AD	N/A	N/A	N/A						

**Attachment 11 - Representative Use Case for
Database Hosting Services**

Period of Performance:

Service Portfolio B

CLIN Code	OS Code	OS	Operating System	Option Period 4						
				Year 10						
				2022						
				Avg VMs	Unit Price	Discount Unit Price	Availability Service Band 1 Unit Price	Qty	Total Price	Total Contract
0005AA	OS0001	Microsoft Windows	Enterprise Server	(b) (4)						
0005AB	OS0001	Microsoft Windows	Enterprise Server							
0005AC	OS0001	Microsoft Windows	Enterprise Server							
0005AD	OS0001	Microsoft Windows	Enterprise Server							
0005AE	OS0001	Microsoft Windows	Enterprise Server							
0005AF	OS0001	Microsoft Windows	Enterprise Server							
0005AG	OS0002	LINUX	Centos							
0005AH	OS0002	LINUX	Centos							
0005AJ	OS0002	LINUX	Centos							
0005AK	OS0001	Microsoft Windows	Enterprise Server							
0005AL	OS0002	LINUX	Centos							
0005AM	OS0009	IBM	AIX (Standard)							
0005AN	OS0001	Microsoft Windows	Enterprise Server							
0005AP	OS0001	Microsoft Windows	Enterprise Server							
0005AQ	OS0009	IBM	AIX (Enterprise)							
0008AC	N/A	N/A	N/A							
0008AD	N/A	N/A	N/A							
									(b) (4)	$21,356,660.94

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IBM

Attachment 12 - Representative Use Case for
Secure File Transfer Services

Period of Performance: 10 years (3 year Base, 3 two year options, 1 one year option)

								Base Period		
								Year 1		
								2013		
CLIN Code	OS Code	OS	Operating System	Class	Sub Class	Months	Unit	Unit Price	Qty	Total Price
0006AA	N/A	N/A	N/A	Secure File Transfer SaaS	50GB for 500 users	12	per Month	(b) (4)		
Total										

IBM

Attachment 12 - Representative Use Case for
Secure File Transfer Services

Period of Performance:

				Base Period			Base Period			Option Period 1		
				Year 2			Year 3			Year 4		
				2014			2015			2016		
CLIN Code	OS Code	OS	Operating System	Unit Price	Qty	Price	Unit Price	Qty	Price	Unit Price	Qty	Price
0006AA	N/A	N/A	N/A	(b) (4)								
Total												

**Attachment 12 - Representative Use Case for
Secure File Transfer Services**

Period of Performance:

				Option Period 1			Option Period 2			Option Period 2		
				Year 5			Year 6			Year 7		
				2017			2018			2019		
CLIN Code	OS Code	OS	Operating System	Unit Price	Qty	Total Price	Unit Price	Qty	Price	Unit Price	Qty	Price
0006AA	N/A	N/A	N/A	(b) (4)								
Total												

Attachment 12 - Representative Use Case for
Secure File Transfer Services

Period of Performance:

				Option Period 3			Option Period 3			Option Period 4		
				Year 8			Year 9			Year 10		
				2020			2021			2022		
CLIN Code	OS Code	OS	Operating System	Unit Price	Qty	Price	Unit Price	Qty	Price	Unit Price	Qty	Price
0006AA	N/A	N/A	N/A	(b) (4)								
Total												

**Attachment 12 - Representative Use Case for
Secure File Transfer Services**

Period of Performance:

CLIN Code	OS Code	OS	Operating System	Total Contract
0006AA	N/A	N/A	N/A	(b) (4)
Total				**$ 829,048.73**

Pricing Notes

The following notes provide relevant assumptions surrounding IBM's price.

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