

PLACEHOLDER

2017-19 Biennium Budget Decision Package

Agency: 163 - Consolidated Technology Services (WaTech)

Decision Package Code/Title: AD – SDC - Customer Migration

Budget Period: 2017-19

Budget Level: PL - Performance Level

Agency Recommendation Summary Text:

Consolidated Technology Services (WaTech) is requesting this placeholder decision package to support the migration of state agencies into the State Data Center (SDC) and/or the Quincy Data Center (QDC). This request will support compliance with RCW 43.105.375 and the Office of the Chief Information Officer (OCIO) Policy 184. WaTech must enable the State's data center consolidation plan and optimize the SDC value.

Fiscal Summary:

Operating Expenditures	FY 2018	FY 2019	FY 2020	FY 2021
Fund 458-6	TBD	TBD	TBD	TBD
Total Cost	TBD	TBD	TBD	TBD
Staffing	FY 2018	FY 2019	FY 2020	FY 2021
FTEs	4.0	4.0	4.0	4.0
Revenue	FY 2018	FY 2019	FY 2020	FY 2021
Fund 458-6	TBD	TBD	TBD	TBD
Object of Expenditure	FY 2018	FY 2019	FY 2020	FY 2021
Obj. E	TBD	TBD	TBD	TBD
Obj. J	TBD	TBD	TBD	TBD

Package Description

The Legislature directed state agencies, through RCW 43.105.375, to locate all existing and new servers within the State Data Center (SDC) located in Olympia. All physical servers and related equipment must be housed in the SDC and agencies will not use a co-location provider other than the SDC for hosting physical servers and related equipment. Agencies are prohibited from operating or investing in an agency data center as defined by the Office of the Chief Information Officer (OCIO) Policy 184. The OCIO, in consultation with the Office of Financial Management, is responsible for implementing the business plan and migration schedule for moving all state

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agencies into the SDC. WaTech will require the appropriate Expenditure Authority as it earns revenue in order to accommodate this migration.

Agency Contact Information: Sue Langen (360) 407-8686/Gordon Ice (360) 407-8904

Base Budget: If the proposal is an expansion or alteration of a current program or service, provide information on the resources now devoted to the program or service.

This proposal will increase the number of customers utilizing the State Data Center services.

Decision Package expenditure, FTE and revenue assumptions, calculations and details:

WaTech will require the appropriate Expenditure Authority and Revenue in order to accommodate this migration. Revenue will be earned on a fee-for-service basis.

WaTech estimates that a minimum of 4 FTE (project management staff) will be required in order to support the large volume of customers moving to the SDC/QDC.

Decision Package Justification and Impacts

What specific performance outcomes does the agency expect?

WaTech staff will assist state agencies with planning and architecture associated with colocation in the SDC/QDC. SDC customers can manage their own equipment in the SDC or take advantage of WaTech's hosting services in the SDC and/or QDC.

Performance Measure detail: The decision package supports the Results Washington goal #5: Efficient, Effective and Accountable Government.

Fully describe and quantify expected impacts on state residents and specific populations served.

WaTech offers competitive colocation rates and services. By increasing the number of state agencies collocating into the SDC and/or the QDC site, WaTech will maximize the State's investment in its data centers. The result will fulfill the requirements of RCW 43.105.375 and support the Results Washington Goal #5 of ensuring an 'Efficient, Effective & Accountable Government' by using state resources responsibly. Washington State citizens will know how their money is being spent.

What are other important connections or impacts related to this proposal?

Impact(s) To:		Identify / Explanation
Regional/County impacts?	No	Identify:
Other local gov't impacts?	No	Identify:
Tribal gov't impacts?	No	Identify:

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Other state agency impacts?	No	Identify:
Responds to specific task force, report, mandate or exec order?	Yes	Identify: RCW 43.105.375
Does request contain a compensation change?	No	Identify:
Does request require a change to a collective bargaining agreement?	No	Identify:
Facility/workplace needs or impacts?	No	Identify:
Capital Budget Impacts?	No	Identify:
Is change required to existing statutes, rules or contracts?	No	Identify:
Is the request related to or a result of litigation?	No	Identify lawsuit (please consult with Attorney General's Office):
Is the request related to Puget Sound recovery?	No	If yes, see budget instructions Section 14.4 for additional instructions

Identify other important connections

Please provide a detailed discussion of connections/impacts identified above.

The Legislature directed state agencies, through RCW 43.105.375, to locate all existing and new servers within the State Data Center (SDC) located in Olympia.

What alternatives were explored by the agency and why was this option chosen?

No alternatives were considered.

What are the consequences of not funding this request?

Agencies will not be in compliance with state law and the SDC will not be cost recoverable. The full value to the citizens of the State of Washington will not be achieved.

How has or can the agency address the issue or need in its current appropriation level?

WaTech cannot address the issue within its current funded level.

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Other supporting materials: OCIO Policy 184 (Attached)

Information technology: Does this Decision Package include funding for any IT-related costs, including hardware, software, services (including cloud-based services), contracts or IT staff?

No 

Yes Continue to IT Addendum below and follow the directions on the bottom of the addendum to meet requirements for OCIO review.)

Policy 184 - Data Center Investments

PURPOSE

This policy establishes clear expectations for agencies to locate all existing and new servers in the [state data center](#) as described in [RCW 43.105.375](#).

POLICY STATEMENT

1. All agency servers and related components must be housed in the State Data Center.
2. Agency may not use a managed service provider other than the state data center for CoLocation.
3. Agencies are prohibited from operating or investing in [agency specific data centers](#). This includes investments in a facility or equipment to be placed in a facility.
4. For the limited set of agencies receiving approved waiver for operation of an agency specific data center, these agencies are prohibited from:
 - a. Making additional investments in or placing additional equipment in that facility.
 - b. Putting additional applications or services on equipment in that facility.
 - c. Operating a managed service or CoLocation service for other agencies.
5. Agencies that have not yet migrated to the state data center must plan to complete migration by no later than June 30, 2019.
6. [Other facilities](#) space used to house IT equipment in support of local office building operations, print rooms, call centers, and telecommunication closets are exempt from this policy.

CONTACT INFORMATION

Contact [OCIO Policy & Waiver Mailbox](#) for additional information or to [request a waiver](#).

SUNSET REVIEW DATE

July 31, 2019.

Attachment A

RCW 43.105.375

***Use of state data center—Business plan and migration schedule for state agencies—
Exceptions.***

(1) Except as provided by subsection (2) of this section, state agencies shall locate all existing and new servers in the state data center.

(2) State agencies with a service requirement that requires servers to be located outside the state data center must receive a waiver from the office. Waivers must be based upon written justification from the requesting state agency citing specific service or performance requirements for locating servers outside the state's common platform.

(3) The office, in consultation with the office of financial management, shall continue to develop the business plan and migration schedule for moving all state agencies into the state data center.

(4) The legislature and the judiciary, which are constitutionally recognized as separate branches of government, may enter into an interagency agreement with the office to migrate its servers into the state data center.

(5) This section does not apply to institutions of higher education.

[2015 3rd sp.s. c 1 § 219; 2011 1st sp.s. c 43 § 735. Formerly RCW [43.41A.150](#).]

NOTES:

Effective date—2015 3rd sp.s. c 1 §§ 101-109, 201-224, 406-408, 410, 501-507, 601, and 602:
See note following RCW [43.105.007](#).

Effective date—Purpose—2011 1st sp.s. c 43: See notes following RCW [43.19.003](#).

Attachment B

Definition of Terms Used in OCIO Policies and Reports

Data Center:

NOTE: these are the definitions used in the TBM program and also reside in [Standard 113.30: TBM Taxonomy](#).

Data Centers are facilities that house and protect critical IT equipment supporting delivery of government services including the space, power, environment controls, racks, cabling and external labor.

- We distinguish between Agency Data Centers and the State Data Centers because by statute we are directed to migrate TO the State Data Center and away from Agency Data Centers.
- **State Data Centers** include:
 - The Olympia-based State Data Center (SDC) operated by Consolidated Technology Services (CTS)
 - The Quincy-based Disaster Recovery Services Data Center leased by CTS.

Other Facilities such as Computer rooms and MDF/IDF/telco closets that house IT equipment primarily supporting local building operations in corporate headquarters, call centers or other general purpose office buildings.

Attachment C

Standard 113.30: TBM Taxonomy

Data Center

- **Agency Data Center:** Agency data center facilities that house and protect critical IT equipment supporting delivery of government services including the space, power, environment controls, racks, cabling and external labor.
- **Data Center:** State Data Center facilities that house and protect critical IT equipment supporting delivery of government services including the space, power, environment controls, racks, cabling and external labor.
- **Other Facilities:** Computer rooms and MDF/IDF/telco closets that house IT equipment primarily supporting local building operations in corporate headquarters, call centers or other general purpose office buildings.

Attachment D

FACILITIES DEFINITION AND CHARACTERISTICS

DATA CENTER CHARACTERISTICS		
<p>Electrical System</p> <ul style="list-style-type: none"> • Medium Voltage Distribution • Uninterruptable Power Supply (UPS) • Batteries • Power Distribution Unit (PDU) • Rack Mount Power Distribution Unit (RMPDU) • Switchgear • Generator • Fuel Tanks 	<p>Mechanical System</p> <ul style="list-style-type: none"> • Computer Room Air Handler (CRAH) • Chiller • Colling Tower • Distribution (Pumps and Piping) • Make up water 	<p>Facility</p> <ul style="list-style-type: none"> • Facility built to Essential Facility Standards • Dual Diverse Path Entrance Facilities • Diverse conduit routes from Entrance Facility to the Provider Space • Very Early Smoke Detection Apparatus (VESDA) • On site operations staff 24X7X365 • On site Physical Security Staff 24X7X365 • Operations Staff adhere to Industry Standards

OTHER FACILITIES CHARACTERISTICS	
<p>Telco Closet (also known as Wiring Closet)</p> <ul style="list-style-type: none"> • Small room housing telecommunications network systems and devices • Larger office building may require multiple telco closet interconnectivity by floor • Close proximity to served area center for reduced horizontal cable length (maximum: 90 meters) • Central junction point for all wiring equipment and wiring for devices connected in the local area network • Fireproofing of all terminated backbone pathways 	<p>Equipment Room</p> <ul style="list-style-type: none"> • Single non-redundant distribution path serving the IT equipment • Non-redundant capacity components • Basic site infrastructure to support local building operations <ul style="list-style-type: none"> • <i>Corporate Headquarters</i> • <i>Call Centers</i> • <i>Other general purpose buildings</i>

