

Agency Wide

000 - M2 - WT - TELECOMMUNICATION SYS MODERNIZATION

Agency Submittal: 11-2017-19-YR Agency Req

Budget Period: 2017-19

Program(s) 010 040 050 060 100 110

SUMMARY

The Department of Social and Health Services (DSHS) requests \$1,737,000 (\$1,209,000 GF-State) to procure and implement shared telephony systems in order to replace or upgrade failing legacy telephony systems that provide voice and data services to seven of 67 DSHS leased facility sites. By funding this request, clients will have more consistent access to telephone services, and the department will be more efficient and effective in its use of shared data and voice networks, reducing operational costs and extended outages while retaining the ability to effectively budget for this service.

PROBLEM STATEMENT

DSHS has a variety of dissimilar systems used to deliver telephone services to agency staff. The systems range from large Private Branch exchange (PBX) telephone systems owned and operated by Washington Technology Solutions (WaTech), to small hybrid telephone systems owned by the local DSHS office or administration. There is no overall governance for acquisition, operation, or maintenance for these various systems. Many of the small hybrid systems have reached the end of their useful or supportable life, and have no maintenance contracts or replacement plans in place, resulting in emergency corrective maintenance being the norm. This impacts not only agency staff but the department's business partners, clients, and the public when contacting the agency for services when the system is down. At some point in the near future, DSHS expects that a failed telephony system will not be repairable, resulting in a catastrophic failure and extended telephony outage until another system can be ordered and installed.

As a result of DSHS administrations "owning" their telephony systems, many systems have reached end of life or end of support without lifecycle replacement strategies. The consequence is that many of these systems are no longer sustainable. End of life telephony equipment is inefficient due to costly repairs and staff downtime. Many end of life systems are no longer supported by vendors or providers and are extremely difficult (and costly) to find technicians who know how to repair an outdated system.

PROPOSED SOLUTION

The proposed solution is to upgrade or repair outdated telephony systems by contracting with WaTech. The funding will provide the ability to implement several efficiencies, including expanded local dialing (minimal long distance charges between offices); shared data and voice networks (reducing circuit and equipment costs); consistent system maintenance (decreasing repair costs); standardized systems throughout the agency; and consistent security updates. This proposed solution will reduce ongoing operational costs for repairs and hardware/software upgrades.

The decision package will fund 1.0 FTE to coordinate and organize the seven upgrades needed throughout the agency. This FTE will help create agency enterprise governance for these systems to ensure future proactive support. The FTE is



DSHS VISION
People are healthy • People are safe • People are supported • Taxpayer resources are guarded

DSHS MISSION
To transform lives

DSHS VALUES
Honesty and Integrity • Pursuit of Excellence • Open Communication • Diversity and Inclusion • Commitment to Service

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needed to implement the upgrade and for on-going service management (for WaTech and DSHS-managed telephony systems). Working with WaTech and other contractors, the upgrades will be designed, procured, and implemented throughout the 2017-19 biennium.

The Services and Enterprise Support Administration's (SESA) goal is to establish a new model of telephony management. SESA and/or WaTech would own and manage the telephony systems and procure new systems as existing systems enter end of life or end of support. This promotes standardization, consolidation, and maintenance agreements, which avoids future problems and unexpected costs.

EXPECTED RESULTS

By funding this request, DSHS will improve telephony services for seven critical DSHS leased facilities that are experiencing increased service outages, and will gain current telephony technologies that allow clients and staff telephony access with improved reliability and increased efficiency.

The specific benefits of this request are:

Security: The telecommunication systems modernization improves security by upgrading and standardizing end-of-support and failing telephony systems. End-of-support systems may no longer provide security updates. Upgrading these systems will allow security updates to be implemented on a regular, proactive basis reducing vulnerabilities and protecting unauthorized access to DSHS systems.

Modernization of State Government: This investment upgrades legacy, failing, and end-of-life telecommunication systems with standard, networked systems that WaTech implements and manages. The DSHS leased facilities will then be in a shared data and voice environment and will be able to take advantage of upgraded networked systems. This makes the voice mail systems, Interactive Voice Response systems, and the respective software and hardware more efficient and effective.

Mobility: The telecommunication systems upgrade provides the infrastructure to be ready for mobility by implementing a shared data and voice environment with modern infrastructure to better support mobility and new technologies. Clients will have better access to automated Interactive Voice Response (IVR) systems.

Cost Reduction: The telecommunications systems upgrades and modernization provides the ability to implement several efficiencies, including expanded local dialing (minimal long distance charges between offices); shared data and voice networks (saving money with circuit and equipment costs); system maintenance (decreasing repair costs); standardized systems throughout the agency; consistent security updates, etc. This proposed solution reduces ongoing, unscheduled and unplanned operational costs for repairs and hardware and software upgrades and allows DSHS' community facilities to budget actual telephony expenses.

If this request is not adopted, this will compromise the department's ability to support and provide client services. DSHS will not be able to retire existing end-of-life telephony systems which are now at high risk of catastrophic failure and will prevent the department from transforming its service delivery model to a new model that can improve its service capabilities without continued increases in the cost of providing those telephony services. The result will be compromises and heightened risk to client safety and well-being and a potential long term disruption of telephony service in programs to clients.

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Staff that rely on these services, are working with some of the most vulnerable citizens in our society. By funding this request, the state is meeting its statutory and societal commitment to care for the elderly and vulnerable.

STAKEHOLDER IMPACT

Upgrades or replacement of telephony systems are managed to minimize the impact on stakeholders by performing the work during non-business hours, or through planned outages coordinated with the business owners. Stakeholders will benefit from consistent, more reliable, maintainable telephony systems and the benefits it will create to assist clients more efficiently.

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Program Contact: Carlyle Ludwig, (360) 902-7615

OTHER CONNECTIONS

Performance Outcomes/Important Connections

1. Does this DP provide essential support to one or more of the Governor's Results Washington priorities?

Goal 5: Efficient, Effective & Accountable Government - Customer Satisfaction and Confidence - 1.1 Increase customer services.

This request supports the Results Washington goal to provide effective, efficient, and accountable government:

- By reducing future ongoing costs while improving telephony services.
- By providing the agency with an updated, consistent, reliable, and easier telephone system.
- By supporting a more productive workforce.
- By keeping the telephony service an efficient, nimble, and frugal resource.
- By improving telephony service and providing increased options to partners and clients.
- WaTech manages all of the DSHS Call Center applications.

2. The decision package meets the following DSHS' strategic objectives:

[010] 4.4: CA will retain a skilled and ready workforce.

[040] 1.1: Identify individual health and welfare needs in a timely manner in order to support individuals to have healthy and active lives.

[050] 1.1: Protect adults who are vulnerable who live in their own homes and in facilities through timely responses to allegations of abuse and neglect.

[060] 5.1: The percentage of Community Service Division (CSD) clients receiving timely service will increase.

[100] 7.3: Recruit, develop and retain an informed, diverse and engaged workforce.

[110] ET/TSD 5.14: Pursue excellence in the technology services we offer.

3. Identify other important connections or impacts below. (Indicate 'Yes' or 'No'. If 'Yes' identify the connections or impacts related to the proposal.)

- a) Regional/County impacts? No
- b) Other local government impacts? No
- c) Tribal government impacts? No
- d) Other state agency impacts? No
- e) Responds to specific task force, report, mandate or executive order? No
- f) Does request contain a compensation change or require changes to a Collective Bargaining Agreement? No
- g) Facility/workplace needs or impacts? Yes, this directly results in a more stable and modernized t

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- h) telephony system for DSHS and its clients.
- i) Capital budget impacts? No
- j) Is change required to existing statutes, rules or contracts? No
- k) Is the request related to litigation? No
- l) Is the request related to Puget Sound recovery? No
- m) Other important connections? No

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

This directly results in a more stable and modernized telephony system for DSHS and its clients. There is a similar request in the capital budget for upgrades to telephony systems in the state-owned hospitals, residential habilitation centers and other institutions.

Alternatives/Consequences/Other

5. What alternatives were explored by the agency, and why was this alternative chosen?

DSHS looked at contracting out with other Telco companies, but no companies covered all DSHS leased facilities. WaTech was the only solution that could network all sites together to expand local dialing (minimal long distance charges between offices), and reduce telephony charges.

6. How has or can the agency address the issue or need within its current appropriation level?

Currently, DSHS Administrations "own" their telephony systems. Due to the high cost of upgrades or replacements of telephony systems, many systems have not been upgraded and have reached end of life or end of support without lifecycle replacement strategies. The consequence is that many of these systems are no longer sustainable. End of life telephony equipment is inefficient due to costly repairs, emergency corrective maintenance, and staff downtime. With the already-limited funds to care for their clients, telephony systems are not upgraded or replaced in a timely manner.

7. Does this decision package include funding for any IT-related costs (hardware, software, services, cloud-based services, contracts or IT staff)?

- No
- Yes (Include an IT Addendum)

Fiscal Detail

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Operating Expenditures	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
001-1 General Fund-State	664,000	545,000	355,000	355,000
001-2 General Fund-Federal	161,000	133,000	86,000	86,000
001-A General Fund-DSHS Fam	36,000	29,000	20,000	20,000
001-C General Fund-Medicaid	93,000	76,000	49,000	49,000
Total Cost	954,000	783,000	510,000	510,000

Staffing	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
FTEs	0.0	0.0	0.0	0.0

Performance Measure Detail

Activity:	Incremental Changes			
Program: 000	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
D036 Field Services	0	0	0	0
D095 State Operated Living Alternatives	0	0	0	0
D086 Residential Habilitation Facilities	0	0	0	0
D079 Program Support for Developmental Disabilities	0	0	0	0
E051 Program Support for Long Term Care	0	0	0	0
F120 CSD Field Support Services	0	0	0	0
F010 Child Support Enforcement	0	0	0	0
F078 Program Support	0	0	0	0
J104 Vocational Counseling and Guidance	0	0	0	0
J103 Vocational Rehabilitation Administration	0	0	0	0
K001 Administration and Supporting Services	0	0	0	0
A011 Program Support for Children's Administration	0	0	0	0

No measures submitted for package

Object Detail

	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
E Goods and Other Services	954,000	783,000	510,000	510,000
Total Objects	954,000	783,000	510,000	510,000

DSHS Source Detail

Overall Funding

Operating Expenditures	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
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Fund 001-1, General Fund-State

Sources Title

0011 General Fund State	664,000	545,000	355,000	355,000
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Total for Fund 001-1 **664,000** **545,000** **355,000** **355,000**

Fund 001-2, General Fund-Federal**Sources Title**

E61L	Food Stamp Program (50%)	144,000	119,000	77,000	77,000
FLIV	Fed Entered as Lidded (various%)	17,000	14,000	9,000	9,000
Total for Fund 001-2		161,000	133,000	86,000	86,000

Fund 001-A, General Fund-DSHS Fam**Sources Title**

563I	Title IV-D Child Support Enforcement (A) (66%)	31,000	25,000	17,000	17,000
658L	Title IV-E-Foster Care (50%)	5,000	4,000	3,000	3,000
Total for Fund 001-A		36,000	29,000	20,000	20,000

Fund 001-C, General Fund-Medicaid**Sources Title**

19TA	Title XIX Assistance (FMAP)	27,000	22,000	14,000	14,000
19UL	Title XIX Admin (50%)	66,000	54,000	35,000	35,000
Total for Fund 001-C		93,000	76,000	49,000	49,000

Total Overall Funding 954,000 783,000 510,000 510,000

FTEs Totals by Program

Program	FY 2018	FY 2019	FY 2020	FY 2021
010 Childrens Administration	0.0	0.0	0.0	0.0
040 Developmental Disabilities Administration	0.0	0.0	0.0	0.0
050 Aging and Long-Term Support Administration	0.0	0.0	0.0	0.0
060 Economic Services Administration	0.0	0.0	0.0	0.0
100 Rehabilitation Admin. – Vocational Rehabilitation	0.0	0.0	0.0	0.0
110 Administrative and Supporting Services	0.0	0.0	0.0	0.0
Grand Total	0.0	0.0	0.0	0.0

Funding Totals by Program

Dollars in Thousands

GF-State

Program	FY 2018	FY 2019	FY 2020	FY 2021
010 Childrens Administration	219,000	180,000	117,000	117,000
040 Developmental Disabilities Administration	49,000	40,000	26,000	26,000
050 Aging and Long-Term Support Administration	50,000	41,000	26,000	26,000
060 Economic Services Administration	173,000	142,000	93,000	93,000
100 Rehabilitation Admin. – Vocational Rehabilitation	95,000	78,000	51,000	51,000
110 Administrative and Supporting Services	78,000	64,000	42,000	42,000
GF-State Total	664,000	545,000	355,000	355,000

Total Funds

Program	FY 2018	FY 2019	FY 2020	FY 2021
010 Childrens Administration	224,000	184,000	120,000	120,000
040 Developmental Disabilities Administration	96,000	78,000	51,000	51,000
050 Aging and Long-Term Support Administration	96,000	79,000	50,000	50,000
060 Economic Services Administration	348,000	286,000	187,000	187,000
100 Rehabilitation Admin. – Vocational Rehabilitation	95,000	78,000	51,000	51,000
110 Administrative and Supporting Services	95,000	78,000	51,000	51,000
Grand Total	954,000	783,000	510,000	510,000

2017-19 Biennium Budget
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Breakdown by Program Total 2017-19 Requirement

Program	Year		
	FY2018	FY2019	Total
010	\$224,000	\$184,000	\$408,000
040	\$96,000	\$78,000	\$174,000
050	\$96,000	\$79,000	\$175,000
060	\$348,000	\$286,000	\$634,000
100	\$95,000	\$78,000	\$173,000
110	\$95,000	\$78,000	\$173,000
Total	\$954,000	\$783,000	\$1,737,000

Total Requirement for 2017-19 Biennium - GFS

Program	GFS - Year		
	FY2018	FY2019	Total
010	\$219,000	\$180,000	\$399,000
040	\$49,000	\$40,000	\$89,000
050	\$50,000	\$41,000	\$91,000
060	\$173,000	\$142,000	\$315,000
100	\$95,000	\$78,000	\$173,000
110	\$78,000	\$64,000	\$142,000
Total	\$664,000	\$545,000	\$1,209,000

Federal

Program	Federal - Year		
	FY2018	FY2019	Total
010	\$5,000	\$4,000	\$9,000
040	\$47,000	\$38,000	\$85,000
050	\$46,000	\$38,000	\$84,000
060	\$175,000	\$144,000	\$319,000
100	\$0	\$0	\$0
110	\$17,000	\$14,000	\$31,000
Total	\$290,000	\$238,000	\$528,000

Breakdown by Program Total 2019-21 Requirement

Program	Year		
	FY2020	FY2021	Total
010	\$120,000	\$120,000	\$240,000
040	\$51,000	\$51,000	\$102,000
050	\$50,000	\$50,000	\$100,000
060	\$187,000	\$187,000	\$374,000
100	\$51,000	\$51,000	\$102,000
110	\$51,000	\$51,000	\$102,000
Total	\$510,000	\$510,000	\$1,020,000

Total Requirement for 2019-21 Biennium - GFS

Program	GFS - Year		
	FY2020	FY2021	Total
010	\$117,000	\$117,000	\$234,000
040	\$26,000	\$26,000	\$52,000
050	\$26,000	\$26,000	\$52,000
060	\$93,000	\$93,000	\$186,000
100	\$51,000	\$51,000	\$102,000
110	\$42,000	\$42,000	\$84,000
Total	\$355,000	\$355,000	\$710,000

Total Requirement for 2019-21 Biennium

Federal

Program	Federal - Year		
	FY2020	FY2021	Total
010	\$3,000	\$3,000	\$6,000
040	\$25,000	\$25,000	\$50,000
050	\$24,000	\$24,000	\$48,000
060	\$94,000	\$94,000	\$188,000
100	\$0	\$0	\$0
110	\$9,000	\$9,000	\$18,000
Total	\$155,000	\$155,000	\$310,000

Information Technology Addendum

Recsum Code and Title **000-M2-WT-Telecommunication Sys Modernization**

Part 1: Itemized IT Costs

Please itemize any IT-related costs, including hardware, software, services (including cloud-based services), contracts (including professional services, quality assurance, and independent verification and validation) or IT staff. Be as specific as you can. (See Chapter 12.1 of the OFM Operating Budget Instructions for guidance on what counts as “IT-related costs.”)

Information Technology Items in this DP (insert rows as required)	FY 2018	FY 2019	FY 2020	FY 2021
Telephone replacement cost	\$380,000	\$162,000	\$0	\$0
Cabling Infrastructure upgrade	\$435,000	\$184,000	\$0	\$0
WaTech Service cost	\$139,000	\$437,000	\$510,000	\$510,000
Total Cost	\$954,000	\$783,000	\$510,000	\$510,000

Part 2: Identify IT Projects

1. Does this decision package fund the development or acquisition of a new or enhanced software or hardware system or service? (Answer Yes or No) No
2. Does this decision package fund the acquisition or enhancements of any agency data centers? (See OCIO Policy 184 for definition.) (Answer Yes or No) No
3. Does this decision package fund the continuation of a project that is, or will be, under OCIO oversight? (See OCIO Policy 121.) (Answer Yes or No) No

If you answered “yes” to any of these questions, you must complete a concept review with the OCIO before submitting your budget request. Refer to Chapter 12.2 of the Operating Budget Instructions for more information.