Estimated Cash Receipts

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Estimated Operating Expenditures

FNPID 64253
FNS029 Multi Agency rollup
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FNPID 64253
FNS029 Multi Agency rollup
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**Estimated Capital Budget Expenditures**
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FNPID: 64253
FNS029 Multi Agency rollup
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<td>Puget Sound Partnership</td>
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<td>Department of Natural Resources</td>
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<td><strong>Total $</strong></td>
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**Estimated Capital Budget Breakout**

| Prepared by: | Tyler Lentz, OFM | Phone: | (360) 790-0055 | Date Published: | Preliminary 1/31/2022 |
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 075-Office of the Governor

Part I: Estimates

☑️  No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: Kathy Cody  Phone: (360) 480-7237  Date: 01/28/2022
Agency Approval: Jamie Langford  Phone: (360) 870-7766  Date: 01/28/2022
OFM Review: Tyler Lentz  Phone: (360) 790-0055  Date: 01/30/2022

Form FN (Rev 1/00) 173,544.00  Request #  HB 2044-1
FNS063 Individual State Agency Fiscal Note  1  Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact
Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

The bill expands WaTech’s statutory mandate to include the adoption of enterprise technology standards specific to malware and ransomware protection, backup, and recovery.

It also creates much more detailed and in-depth analysis and reporting requirements in the areas of cyber security and technology portfolio be in place by September 1, 2022.

It further creates a requirement for immutable data backups be in place by December 31, 2025.

The bill states that state agencies must adopt the enterprise technology standards developed by the Office of the State Chief Information Officer.

The services impacted by this legislation are provided to the Governor's office by OFM. Any impacts associated with this legislation will be reflected in OFM's fiscal note.

II. B - Cash receipts Impact
Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures
Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures
NONE

III. B - Expenditures by Object Or Purpose
NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA
NONE

III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE
IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
### Part I: Estimates

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

- NONE

**Estimated Operating Expenditures from:**

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<tr>
<th>FY 2022</th>
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<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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<td>1.0</td>
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<td>Account</td>
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<td>429,736</td>
<td>429,736</td>
<td>472,386</td>
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</table>

**Estimated Capital Budget Impact:**

- NONE

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*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

- [x] If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- [ ] If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

---

**Legislative Contact:** Desiree Omli  
Phone: 360-786-7383  
Date: 01/25/2022

**Agency Preparation:** Mike Woods  
Phone: (360) 704-5215  
Date: 01/28/2022

**Agency Approval:** Mike Woods  
Phone: (360) 704-5215  
Date: 01/28/2022

**OFM Review:** Gwen Stamey  
Phone: (360) 790-1166  
Date: 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2(1) requires the Office of the Chief Information Officer (OCIO) to develop and implement enterprise technology standards specific to malware and ransomware protection, backup, and recovery. Each state agency must comply with the enterprise technology standards.

Section 2(5) requires each state agency to execute and analyze monthly vulnerability scans, making data available to the OCIO and the State Auditor upon request.

Section 2(6) requires each state agency ensure that all mission critical applications, business essential applications, and other resources containing data that requires special handling be protected to the maximum extent feasible.

Section 2(7) requires each agency perform an assessment of all their applications and resources containing data to include identifying mission critical applications, business essential applications, and categorizing all data attributes, as defined in enterprise technology standards developed pursuant to RCW 43.105.054, and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss. Each agency must submit the sizing of managed data and the prioritized list to the OCIO by September 1, 2022.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Section 2(5) – No impact to the Office of the Secretary of State (OSOS). OSOS currently performs this activity.

Sections 2(6) and (7) – OSOS will require more resources to perform the tasks outlined in these subsections.

To carry out these tasks, OSOS projects the need for 2 FTE IT Network and Telecommunications – Senior /Specialists (Range 07IT, Step L) in State Fiscal Year 2023, reducing to 1 FTE ongoing annually thereafter. The cost for compensation, standard goods and services, travel, and agency administration is estimated to be $430,000 in SFY 2023 and approximately $236,000 per year thereafter. In addition, OSOS anticipates the need for additional vendor support and software licenses totaling $60,000 per year. The software is necessary to monitor and classify data as required in the bill.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

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<thead>
<tr>
<th>Account</th>
<th>Account Title</th>
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### III. B - Expenditures by Object Or Purpose

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<td>P-Debt Service</td>
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<td>S-Interagency Reimbursements</td>
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<td>429,736</td>
<td>472,386</td>
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### III. C - Operating FTE Detail:
- List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA.

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### III. D - Expenditures By Program (optional)
- NONE

### IV. A - Capital Budget Expenditures
- NONE

### IV. B - Expenditures by Object Or Purpose
- NONE

### IV. C - Capital Budget Breakout
- Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods.
- NONE

### IV. D - Capital FTE Detail:
- List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB.
- NONE

### Part V: New Rule Making Required
- Ransomware protection
- 085-Office of the Secretary of State
- Form FN (Rev 1/00) 173,384.00 Request # HB 2044-1
- FNS063 Individual State Agency Fiscal Note 3
- Bill # 2044 HB
The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

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- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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<tr>
<td>Agency Preparation:</td>
<td>Seth Flory</td>
<td>Phone: 360-407-8165</td>
<td>Date: 01/28/2022</td>
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<tr>
<td>Agency Approval:</td>
<td>Seth Flory</td>
<td>Phone: 360-407-8165</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>OFM Review:</td>
<td>Cheri Keller</td>
<td>Phone: (360) 584-2207</td>
<td>Date: 01/28/2022</td>
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</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044, the Washington state ransomware protection act, relates to the protection of private personal information and state operational data against ransomware and other malicious cyber activities.

Specific to state agencies including the Governor's Office of Indian Affairs (GOIA) are the following sections:

Section 2(4) allows for waivers for certain enterprise technology policies. GOIA does not anticipate requesting waivers in meeting the requirements developed from this bill.

Section 2(5) allows agencies to use CTS-provided tools or an existing solution when conducting monthly vulnerability scans. GOIA utilizes CTS Small Agency IT Support Services and anticipates receiving analytical tools and assistance from WaTech.

Section 2(7) sets forth requirements for GOIA's annual application inventory submission to include consideration of data storage size, quantity of system records, and meeting business criticality as defined by OCIO standard 112.10. GOIA does not use any agency owned systems and receives data hosting and storage services from CTS. Therefore, GOIA does not expect any significant costs to arise from this legislation.

Section 3 requires agencies, when making a technology project request, to ensure that the risk assessment includes a line item to identify the incorporation of data backup and recovery for the purposes of data security. GOIA does not plan on making any IT project requests, so this requirement will not create a fiscal impact.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE
Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
### Individual State Agency Fiscal Note

| Bill Number: | 2044 HB | Title: | Ransomware protection | Agency: | 087-Commission on Asian Pacific American Affairs |

#### Part I: Estimates

- No Fiscal Impact

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

NONE

**Estimated Capital Budget Impact:**

NONE

*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone:</th>
<th>360-786-7383</th>
<th>Date:</th>
<th>01/25/2022</th>
</tr>
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<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Paul Bitar</td>
<td>Phone:</td>
<td>360-407-8129</td>
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<td>01/28/2022</td>
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<tr>
<td>OFM Review:</td>
<td>Cheri Keller</td>
<td>Phone:</td>
<td>(360) 584-2207</td>
<td>Date:</td>
<td>01/28/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This bill would add requirements aimed at protecting data stored on state agency information technology (IT) systems.

Section 2(5) would require agencies to perform monthly vulnerability scans of their IT systems. CAPAA would use the enterprise tools offered by CTS to fulfill this requirement.

Section 2(6) would require critical/essential applications to be protected to the maximum extent possible. CAPAA anticipates that its use of WaTech services would bring the agency into compliance with this section. CAPAA does not use any other applications that would be subject to this section.

Section 2(7) would require agencies to perform an assessment of critical/essential applications and submit a report to the OCIO by September 1, 2022. CAPAA’s critical applications are limited to basic operating system and office suite products, such as Microsoft Windows and Office 365. CAPAA does not expect this section to have a significant impact on the agency.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE
IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 090-Office of State Treasurer

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☒ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: Dan Mason  Phone: (360) 902-8990  Date: 01/27/2022
Agency Approval: Dan Mason  Phone: (360) 902-8990  Date: 01/27/2022
OFM Review: Cheri Keller  Phone: (360) 584-2207  Date: 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044 creates the information technology security account, coupled with the general fund as the recipient of the earnings from investments under RCW 43.84.092(4).

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

Projected cash flows are currently unavailable; therefore, estimated earnings from investments are indeterminable.

There may be an impact on the debt service limitation calculation. Any change to the earnings credited to the general fund will change, by an equal amount, general state revenues.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE
IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
Ransomware protection

Part I: Estimates

☑ No Fiscal Impact

Estimated Cash Receipts to:
NONE

Estimated Operating Expenditures from:
NONE

Estimated Capital Budget Impact:
NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli Phone: 360-786-7383 Date: 01/25/2022
Agency Preparation: Seth Flory Phone: (360)407-8165 Date: 01/28/2022
Agency Approval: Seth Flory Phone: (360)407-8165 Date: 01/28/2022
OFM Review: Gwen Stamey Phone: (360) 790-1166 Date: 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044, the Washington state ransomware protection act, relates to the protection of private personal information and state operational data against ransomware and other malicious cyber activities.

Specific to state agencies including the Citizen's Commission of Salaries for Elected Officials (COS) are the following sections:

Section 2(4) allows for waivers for certain enterprise technology policies. COS does not anticipate requesting waivers in meeting the requirements developed from this bill.

Section 2(5) allows agencies to use CTS-provided tools or an existing solution when conducting monthly vulnerability scans. COS utilizes CTS Small Agency IT Support Services and anticipates receiving analytical tools and assistance from WaTech.

Section 2(7) sets forth requirements for GOIA's annual application inventory submission to include consideration of data storage size, quantity of system records, and meeting business criticality as defined by OCIO standard 112.10. COS does not use any agency owned systems and receives data hosting and storage services from CTS. Therefore, COS does not expect any significant costs to arise from this legislation.

Section 3 requires agencies, when making a technology project request, to ensure that the risk assessment includes a line item to identify the incorporation of data backup and recovery for the purposes of data security. COS does not plan on making any IT project requests, so this requirement will not create a fiscal impact.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE
Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
  NONE

IV. B - Expenditures by Object Or Purpose
  NONE

IV. C - Capital Budget Breakout
  Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
  NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB
  NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

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<th>Account</th>
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Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli Phone: 360-786-7383 Date: 01/25/2022
Agency Preparation: Cam Comfort Phone: (360) 664-9429 Date: 01/28/2022
Agency Approval: Edd Giger Phone: 360-586-2104 Date: 01/28/2022
OFM Review: Tyler Lentz Phone: (360) 790-0055 Date: 01/31/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

An act relating to the protection of state operational data against harm caused by ransomware.

Section 1 – New Section – Findings regarding ransomware and malicious cyber activities and the need for state agencies to act to ensure they have data backup and disaster recovery practices.

Section 2 – New Section to chapter 43.105 RCW – Requirements for the enterprise technology standards, ransomware education and outreach programs. Except in specific situations, state agency must comply with enterprise technology standards implements pursuant to this section. This includes regular vulnerability scans and make information available to the Office of the State Chief Information Officer (OCIO). Agencies must make efforts to protect data and provide certain information to OCIO. OCIO also has reporting requirements.

Section 3 – New Section to chapter 43.105 RCW – Ransomware is critical to state managed technology. Each project submitted must include indication of how agency will incorporate data backup and recovery for securing data.

Section 4 – New Section to chapter 43.105 RCW – Creates information security in the state treasury.

Section 5 – New Section to chapter 42.56 RCW – Reports in this chapter are confidential and cannot be disclosed.

Section 6 – Amends and Reenacts RCW 43.105.020 – Definitions section. – Adds some new definitions.

Section 7 – Amends RCW 43.105.054 – Adds requirement to design, develop and implement standards specific to malware and ransomware.

Section 8 – Amends RCW 43.105.220 – Adds requirement for OCIO to submit reports to Legislature and what must be included in the report.

Section 9 – New Section to chapter 43.105 RCW – Requirement for OCIO to apply for grants and other financial assistance programs excluding loans.

Section 10 – Appropriation for $5,000 for fiscal year ending June 30, 2023.

Section 11 – Names act the Washington state ransomware protection act.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

General Fund-State (GF-S) Account 001-1: These Attorney General’s Office (AGO) Information Services Division (ISD) and Administration (ADM) divisions’ activities will be funded with General Fund-State dollars. There is no client agency to bill for legal services.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Ransomware protection
Form FN (Rev 1/00) 173,930.00
FNS063 Individual State Agency Fiscal Note 2

100-Office of Attorney General
Request # 091-1
Bill # 2044 HB
The Attorney General’s Office (AGO) Agency Assumptions:

Agency administration support FTE are included in the tables, for every one Assistant Attorney General (AAG) FTE, the AGO includes a 0.5 Legal Assistant 3 (LA 3) FTE and a 0.25 Management Analyst 5 (MA 5) FTE. The MA 5 is used as a representative classification.

Total workload impact in this request includes standard assumption costs for good & services, travel, and capital outlays for all FTE identified.

The enactment of this bill will not impact the provision of legal services provided by the AGO’s Education (EDU), the University of Washington (UOW) and the Transportation and Public Construction (TPC) divisions. The EDU, UOW and TPC divisions’ client agencies may need a legal advice which is assumed to be nominal below 90 AAG hours per Fiscal Year (FY). Therefore, costs are not included in this request.

The AGO’s Information Services Division (ISD) division assumptions:

The AGO currently uses ransomware data protection technologies using both cloud based and on-premise storage. This bill will require analysis to map the current technologies in use to the new requirements to ensure compliance. Additionally, identified vulnerabilities through regularly scheduled system scans have been increasing over the last two years. Going forward, the work is expected to continue to increase.

As new risks develop and vulnerability definitions become more detailed, the number of items to identify, isolate and remediate increases as well, which increases the need for additional qualified staff to perform this work needed to meet the compliance requirements. Increase of 3.0 FTE needed to prioritize and analyze the increased volume of security vulnerabilities identified in the vulnerability scans, using the different scanning tools utilized by the AGO.

1.0 FTE, IT Security – Senior/Specialist (ITS-SS) to evaluate and prioritize identified risks from the weekly vulnerabilities scans already being conducted. This position will also complete all reporting and compliance requirements of the bill including the assessments of all applications and resources containing data that needs additional protections. Starting in FY 2023 and each FY thereafter.

2.0 FTE, IT System Administration – Entry (ITSA-E) to implement the identified controls, requirements and policies that are developed. These positions would also increase capacity and allow for quicker reaction time to remediating identified vulnerabilities through system patches and upgrades. The positions will also increase monitoring and management of existing immutable backup system already in place at the AGO. Starting in FY 2023 and each FY thereafter.

Additional legal services would be needed related to proactive risk mitigation of Data Breach prevention. Using outside counsel Special Assistant Attorney General (SAAG) with specialization in ransomware risk management, data privacy protection and cybersecurity preparedness. Increase the current SAAG contract an additional $40,000 per FY for additional risk mitigation legal advice and planning guidance. Starting in FY 2023 and each FY thereafter.

The AGO’s Administration (ADM) division assumptions:

0.5 FTE in FY 2023 and 0.25 FTE each FY thereafter, Contracts Specialist 2 (CS 2). This position would include modification of the AGO’s terms to current contracts in order to comply with any new requirements resulting from this legislation. Additionally, there would be contract modifications, invoice review, data entry, reporting, and other related actions, since the ISD anticipates increased legal services related to proactive risk mitigation of Data Breach prevention SAAG usage.

The AGO’s total FTE assumptions (non-Seattle rate):
Part III: Expenditure Detail

III. A - Operating Budget Expenditures

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<th>Account Title</th>
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Total $ 0 504,000 504,000 956,000 956,000

III. B - Expenditures by Object Or Purpose

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<th>FTE Staff Years</th>
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Total $ 0 504,000 504,000 956,000 956,000

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

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Total FTEs 3.5 1.8 3.3 3.3

III. D - Expenditures By Program (optional)

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Total $ 504,000 504,000 956,000 956,000

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Ransomware protection
Form FN (Rev 1/00) 173,930.00
FNS063 Individual State Agency Fiscal Note 4

100-Office of Attorney General
Request # 091-1
Bill # 2044 HB
Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 101-Caseload Forecast Council

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☒ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: Erik Cornellier  Phone: 360-664-9375  Date: 01/26/2022
Agency Approval: Elaine Deschamps  Phone: 360-664-9371  Date: 01/26/2022
OFM Review: Cynthia Hollimon  Phone: (360) 810-1979  Date: 01/26/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This description will focus on the provisions that impact the Caseload Forecast Council (CFC).

Section 2 of the bill would require the CFC to:
- Comply with new technology standards related to ransomware and backups (Sections 2(3),(9)).
- Execute and analyze monthly vulnerability scans (Section 2(4)).
- Perform an assessment of all applications and resources containing data and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of a system failure or data loss (Section 2(7)).

Section 3 of the bill would require the CFC to incorporate data backup and recovery plans into each technology project submitted for risk assessment.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

NONE

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

The expenditure impact on the CFC is indeterminate, but less than $50,000.

The CFC assumes that the reporting/assessment requirements will be incorporated into current information technology (IT) reporting processes, and therefore will generate an incremental increase in workload.

The cost of compliance with the new technology requirements is indeterminate.

The CFC meets its IT requirements in partnership with WaTech Small Agency Services. The cost of complying with new ransomware and backup/recovery requirements will depend on the level of support the CFC receives from WaTech.

The CFC assumes that it will receive support from WaTech to perform the monthly scans. There may be additional costs associated with the solution WaTech adopts for this.

There may be costs associated with incorporating new ransomware prevention and backup/recovery services into the CFC’s current systems. It is unclear whether those costs will be borne by WaTech, the CFC, or both agencies.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. B - Expenditures by Object Or Purpose

Non-zero but indeterminate cost and/or savings. Please see discussion.
III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Part I: Estimates

☒ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli Phone: 360-786-7383 Date: 01/25/2022
Agency Preparation: Emily Fitzgerald Phone: (360) 902-8780 Date: 01/28/2022
Agency Approval: Emily Fitzgerald Phone: (360) 902-8780 Date: 01/28/2022
OFM Review: Cheri Keller Phone: (360) 584-2207 Date: 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This legislation would require agencies to execute and analyze monthly vulnerability scans, ensure all mission critical applications are protected to the maximum extent feasible, perform an assessment of all applications and resources containing data, report to the OCIO the sizing of managed data, and include intent to incorporate data backup and recovery in all technology projects submitted to the OCIO for approval. These tasks are part of work that the Department of Financial Institutions (DFI) is already doing in this area, and complying to these new requirements would not demand additional resources.

This legislation would also require agencies to include an evaluation of electronic public access needs when planning new information systems or major upgrades. While this requirement represents new effort for DFI, the cost of these evaluations is expected to be minimal (approximately 20 hours per year) and will be absorbed by the Department.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

Ransomware protection
Form FN (Rev 1/00) 173,531.00
FNS063 Individual State Agency Fiscal Note 2

102-Department of Financial Institutions
Request # 22-011-1
Bill # 2044 HB
IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  
Title: Ransomware protection  
Agency: 105-Office of Financial Management

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  
Phone: 360-786-7383  
Date: 01/25/2022

Agency Preparation: Kathy Cody  
Phone: (360) 480-7237  
Date: 01/28/2022

Agency Approval: Jamie Langford  
Phone: 360-902-0422  
Date: 01/28/2022

OFM Review: Tyler Lentz  
Phone: (360) 790-0055  
Date: 01/31/2022

Form FN (Rev 1/00) 173,539.00  
Request # HB 2044-1
FNS063 Individual State Agency Fiscal Note 1  
Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

The bill expands WaTech’s statutory mandate to include the adoption of enterprise technology standards specific to malware and ransomware protection, backup, and recovery.

It also creates much more detailed and in-depth analysis and reporting requirements in the areas of cyber security and technology portfolio be in place by September 1, 2022

It further creates a requirement for immutable data backups be in place by December 31, 2025

The bill states that state agencies must adopt the enterprise technology standards developed by the Office of the State Chief Information Officer.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Without knowing what the Office of the State Chief Information Officer intends to propose for enterprise technology standards, it is extremely difficult to anticipate implementation impacts and ongoing costs.

We do anticipate implementation and increased ongoing costs in the areas of cybersecurity, technology portfolio management, and data backup tools when the enterprise technology standards specific to malware and ransomware protection, backup, and recovery are known.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. B - Expenditures by Object or Purpose

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

Ransomware protection

Form FN (Rev 1/00) 173,539.00
FNS063 Individual State Agency Fiscal Note 2

105-Office of Financial Management
Request # HB 2044-1
Bill # 2044 HB
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
**Individual State Agency Fiscal Note**

| Bill Number: | 2044 HB | Title: | Ransomware protection | Agency: | 110-Office of Administrative Hearings |

**Part I: Estimates**

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

Non-zero but indeterminate cost and/or savings. Please see discussion.

**Estimated Capital Budget Impact:**

NONE

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*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

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- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

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<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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<tr>
<td>Agency Preparation:</td>
<td>Pete Boeckel</td>
<td>Phone: 360-407-2730</td>
<td>Date: 01/28/2022</td>
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<tr>
<td>Agency Approval:</td>
<td>Deborah Feinstein</td>
<td>Phone: 360-407-2717</td>
<td>Date: 01/28/2022</td>
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<tr>
<td>OFM Review:</td>
<td>Tyler Lentz</td>
<td>Phone: (360) 790-0055</td>
<td>Date: 01/28/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2 Subsection 6 may result in additional need for staff and software depending on the implementation of the definition of "maximum extent possible" found in this subsection.

Section 2 Subsection 7 will result in the need for increased research, tracking, and reporting by staff at the Office of Administrative Hearings (OAH).

II. B - Cash Receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

Any work for OAH generated by this legislation will not be billable hours of OAH's administrative law judges or legal support staff. As a result, it will not be billed to referring agencies.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Indeterminate expenditure impact.

Section 2 Subsection 6 states “Each state agency must ensure that all mission critical applications, business essential applications, and other resources containing data that requires special handling, as defined in enterprise technology standards developed pursuant to RCW 43.105.054, must be protected to the maximum extent feasible.” The definition of “maximum extent possible” generates ambiguity. Depending on this definition, OAH may need to invest in staff and software.

Section 2 Subsection 7 will result in the need for increased research, tracking, and reporting by staff at OAH. The amount of time spent will depend on the scope and definition of that which is to be collected and how it is to be reported.

This bill is assumed effective 90 days after the end of the 2022 legislative session.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

<table>
<thead>
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<th>Description</th>
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<td>173,752.00</td>
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<td>FNS063 Individual State Agency Fiscal Note</td>
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III. B - Expenditures by Object Or Purpose

<table>
<thead>
<tr>
<th>Description</th>
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<td>Ransomware protection</td>
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<td>173,752.00</td>
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<tr>
<td>FNS063 Individual State Agency Fiscal Note</td>
<td>2</td>
</tr>
</tbody>
</table>

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part II A.

NONE

III. D - Expenditures By Program (optional)

NONE
Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
   NONE

IV. B - Expenditures by Object Or Purpose
   NONE

IV. C - Capital Budget Breakout
   Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
   NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB
   NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 116-State Lottery

Part I: Estimates

☑ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: John Iyall  Phone: 360-810-2870  Date: 01/28/2022
Agency Approval: Josh Johnston  Phone: 360-810-2878  Date: 01/28/2022
OFM Review: Gwen Stamey  Phone: (360) 790-1166  Date: 01/28/2022
II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

HB 2044 addresses ransomware protections. There is no fiscal impact to the Lottery.

New Section 1 - The legislature recognizes that action must be taken at each state agency to ensure data backup and disaster recovery practices are consistent with enterprise technology standards and is aware that additional investments in technology, training, and personnel will be needed.

New Section 2 – Adds a new section to chapter 43.105 RCW

• Subsection (1) directs Consolidated Technology Services (CTS) to create standards which protect against malware and ransomware.
• Subsection (2) directs CTS to establish and distribute educational materials about ransomware.
• Subsection (3) directs each state agency to comply with these standards.
• Subsection (4) requires a waiver for any agency which cannot adopt these standards.
• Subsection (5) directs each state agency to take action monthly in support of these standards, make data available to the office of cybersecurity, the office of the state chief information officer, and the office of the state auditor upon request.
• Subsection (6) requires that each state agency ensure resources containing data are protected to the maximum extent feasible.
• Subsection (7) directs each agency to assess, prioritize, and report on all applications and resources containing data.
• Subsection (8) directs CTS to develop a consolidated report and to deliver this report to the Governor and legislature by 10/31/23.
• Subsection (9) requires each agency to ensure category 3 and 4 data are protected in accordance with developed standards.
• Subsection (10) places additional requirements on OFM, DES, and CTS.
• Subsection (11) directs CTS to modify existing portfolio reporting mechanisms to support collection of new data.
• Subsection (12) declares that these reports are confidential and are not to be disclosed under chapter 42.56 RCW.
• Subsection (13) exempts institutions of higher education from Section 2.

New Section 3 describes the required elements an agency must provide to CTS when submitting a technology project to CTS for assessment.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE
III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA
NONE

III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
## Part I: Estimates

**X** No Fiscal Impact

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

NONE

**Estimated Capital Budget Impact:**

NONE

---

*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

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- [ ] If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

---

**Legislative Contact:** Desiree Omli  
**Agency Preparation:** Paul Bitar  
**Agency Approval:** Paul Bitar  
**OFM Review:** Cheri Keller  
**Phone:** 360-786-7383  
**Date:** 01/25/2022  
**Phone:** 360-407-8129  
**Date:** 01/28/2022  
**Phone:** (360) 584-2207  
**Date:** 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This bill would add requirements aimed at protecting data stored on state agency information technology (IT) systems.

Section 2(5) would require agencies to perform monthly vulnerability scans of their IT systems. CHA would use the enterprise tools offered by CTS to fulfill this requirement.

Section 2(6) would require critical/essential applications to be protected to the maximum extent possible. CHA anticipates that its use of WaTech services would bring the agency into compliance with this section. CHA does not use any other applications that would be subject to this section.

Section 2(7) would require agencies to perform an assessment of critical/essential applications and submit a report to the OCIO by September 1, 2022. CHA's critical applications are limited to basic operating system and office suite products, such as Microsoft Windows and Office 365. CHA does not expect this section to have a significant impact on the agency.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE
IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
## Individual State Agency Fiscal Note

<table>
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<tr>
<th>Bill Number:</th>
<th>2044 HB</th>
<th>Title:</th>
<th>Ransomware protection</th>
<th>Agency:</th>
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<td></td>
<td></td>
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<td>119-Commission on African-American Affairs</td>
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### Part I: Estimates

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

NONE

**Estimated Capital Budget Impact:**

NONE

---

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

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- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
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<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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<td>Agency Preparation:</td>
<td>Paul Bitar</td>
<td>Phone: 360-407-8129</td>
<td>Date: 01/28/2022</td>
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<td>Agency Approval:</td>
<td>Paul Bitar</td>
<td>Phone: 360-407-8129</td>
<td>Date: 01/28/2022</td>
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<td>OFM Review:</td>
<td>Cheri Keller</td>
<td>Phone: (360) 584-2207</td>
<td>Date: 01/28/2022</td>
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</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This bill would add requirements aimed at protecting data stored on state agency information technology (IT) systems.

Section 2(5) would require agencies to perform monthly vulnerability scans of their IT systems. CAAA would use the enterprise tools offered by CTS to fulfill this requirement.

Section 2(6) would require critical/essential applications to be protected to the maximum extent possible. CAAA anticipates that its use of WaTech services would bring the agency into compliance with this section. CAAA does not use any other applications that would be subject to this section.

Section 2(7) would require agencies to perform an assessment of critical/essential applications and submit a report to the OCIO by September 1, 2022. CAAA's critical applications are limited to basic operating system and office suite products, such as Microsoft Windows and Office 365. CAAA does not expect this section to have a significant impact on the agency.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part II A

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE
IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
## Individual State Agency Fiscal Note

<table>
<thead>
<tr>
<th>Bill Number:</th>
<th>2044 HB</th>
<th>Title:</th>
<th>Ransomware protection</th>
<th>Agency:</th>
<th>120-Human Rights Commission</th>
</tr>
</thead>
</table>

### Part I: Estimates

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

<table>
<thead>
<tr>
<th>Account</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Fund-State</td>
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<td>13,500</td>
<td>13,500</td>
<td>27,000</td>
<td>27,000</td>
</tr>
<tr>
<td><strong>Total $</strong></td>
<td>0</td>
<td>13,500</td>
<td>13,500</td>
<td>27,000</td>
<td>27,000</td>
</tr>
</tbody>
</table>

**Estimated Capital Budget Impact:**

NONE

*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- **X** If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Diann Lewallen</td>
<td>Phone: 360-407-8121</td>
<td>Date: 01/28/2022</td>
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<tr>
<td>Agency Approval:</td>
<td>Laura Lindstrand</td>
<td>Phone: 360-753-6770</td>
<td>Date: 01/28/2022</td>
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<tr>
<td>OFM Review:</td>
<td>Cheri Keller</td>
<td>Phone: (360) 584-2207</td>
<td>Date: 01/28/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2(3) requires state agencies to comply with enterprise technology standards established by Consolidated Technology Services unless they receive a waiver.

Sec. 2(6) requires that all state agencies must ensure all mission critical applications, business essential applications, and other resources containing data that requires special handling (as defined in OCIO policy) are protected to the maximum extent feasible.

Section 2(7) requires agencies to perform an assessment of all their applications and resources containing data and report specific information to the Office of the State Chief Information Officer (OCIO). They must also submit a prioritized list of applications based on mission criticality and impact to constituents to the office by September 1, 2022.

Section 2(9) requires agencies to ensure systems containing level 3 and level 4 data are protected in accordance with enterprise technology standards.

Section 2(11) requires agencies to report relevant information through existing Information Technology Portfolio reporting mechanisms.

In order to comply with these requirements, the WSHRC would need to move its server backup to Consolidated Technology Services. Based on the amount of data needing backup, these costs are estimated at $1123.20 per month.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

In order to ensure compliance with the requirements of the bill, Human Rights Commission would move their server backup services to Consolidated Technology Services.

The agency assumes it would need approximately 2,880 GB of storage at $.39 per gigabyte per month. 2,880 GB x $.39/GB/Month = $1,123.20 per month. For 12 months that would total $13,478.40 per year.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

<table>
<thead>
<tr>
<th>Account</th>
<th>Account Title</th>
<th>Type</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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<td>001-1</td>
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<td>0</td>
<td>13,500</td>
<td>13,500</td>
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Ransomware protection
Form FN (Rev 1/00) 173,482.00
FNS063 Individual State Agency Fiscal Note
120-Human Rights Commission
Request # 2022-07-1
Bill # 2044 HB
### III. B - Expenditures by Object Or Purpose

<table>
<thead>
<tr>
<th></th>
<th>FY 2022</th>
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<td>0</td>
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<td>A-Salaries and Wages</td>
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<td>B-Employee Benefits</td>
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<td>C-Professional Service Contracts</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>E-Goods and Other Services</td>
<td>13,500</td>
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<td>27,000</td>
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<td>G-Travel</td>
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<td>J-Capital Outlays</td>
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<td>0</td>
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<td>0</td>
<td>0</td>
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<td>M-Inter Agency/Fund Transfers</td>
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<td>0</td>
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<td>N-Grants, Benefits &amp; Client Services</td>
<td>0</td>
<td></td>
<td>0</td>
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<td>0</td>
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<tr>
<td>P-Debt Service</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>S-Interagency Reimbursements</td>
<td>0</td>
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<td>T-Intra-Agency Reimbursements</td>
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<td>0</td>
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<td>0</td>
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<td>0</td>
</tr>
<tr>
<td><strong>Total $</strong></td>
<td>0</td>
<td>13,500</td>
<td>13,500</td>
<td>27,000</td>
<td>27,000</td>
</tr>
</tbody>
</table>

### III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

### III. D - Expenditures By Program (optional)

NONE

### Part IV: Capital Budget Impact

#### IV. A - Capital Budget Expenditures

NONE

#### IV. B - Expenditures by Object Or Purpose

NONE

#### IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

#### IV. D - Capital FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

### Part V: New Rule Making Required

Ransomware protection 120-Human Rights Commission
Form FN (Rev 1/00) 173,482.00 Request # 2022-07-1
FNS063 Individual State Agency Fiscal Note 3 Bill # 2044 HB
## Individual State Agency Fiscal Note

<table>
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<tr>
<th>Bill Number:</th>
<th>2044 HB</th>
<th>Title:</th>
<th>Ransomware protection</th>
<th>Agency:</th>
<th>124-Department of Retirement Systems</th>
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</table>

### Part I: Estimates

- **No Fiscal Impact**

#### Estimated Cash Receipts to:

NONE

#### Estimated Operating Expenditures from:

<table>
<thead>
<tr>
<th>Account Description</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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<td>Department of Retirement Systems Expense Account-State 600-1</td>
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<td>598,929</td>
<td>598,929</td>
<td>668,055</td>
<td>499,530</td>
</tr>
<tr>
<td>Deferred Compensation Administrative Account-Non-Appropriated 888-6</td>
<td>0</td>
<td>23,012</td>
<td>23,012</td>
<td>25,667</td>
<td>19,192</td>
</tr>
<tr>
<td><strong>Total $</strong></td>
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<td>621,941</td>
<td>621,941</td>
<td>693,722</td>
<td>518,722</td>
</tr>
</tbody>
</table>

In addition to the estimates above, there are additional indeterminate costs and/or savings. Please see discussion.

#### Estimated Capital Budget Impact:

NONE

*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

- [X] If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- [ ] If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Jay Walsh</td>
<td>Phone: 360-664-7266</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>Agency Approval:</td>
<td>Tracy Guerin</td>
<td>Phone: 360-664-7312</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>OFM Review:</td>
<td>Marcus Ehrlander</td>
<td>Phone: (360) 489-4327</td>
<td>Date: 01/30/2022</td>
</tr>
</tbody>
</table>

Form FN (Rev 1/00) 173,540.00  
Request # 20-019-1  
FNS063 Individual State Agency Fiscal Note 1  
Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2(7) identifies that “(a) Each state agency must perform an assessment of all their applications and resources containing data and report to the office the sizing of managed data to include identifying mission critical applications, business essential applications, and categorizing all data attributes, as defined in enterprise technology standards developed pursuant to RCW 43.105.054, and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss and submit the list to the office. (b) Each state agency must submit the sizing of managed data and the list required in (a) of this subsection to the office by September 1, 2022."

Section 2(10) identifies that “The office of financial management, department of enterprise services, and consolidated technology services agency must ensure that all mission critical and business essential information technology systems, in accordance with enterprise technology standards developed under RCW 43.105.054, are compliant with the provisions of this act and are supported by immutable backups by December 31, 2025.”

Section 7(2)(j) provides a new power or duty for the Office of the State Chief Information Officer “to design, develop, and implement enterprise technology standards specific to malware and ransomware protection, backup, and recovery.”

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Administrative Assumptions:

- NOTE: The following expenditures represent the cost to implement the components that can be estimated at this time. The remaining components, that require additional definition and/or analysis (i.e., those related to Sections 2(10) and 7(2)(j)) will be estimated and included in a future decision package.
- The costs to implement immutable backups for all applicable agency systems is unknown at this time, however, it is anticipated to be substantial based on initial discussions with other agencies. Some of the resources requested in this fiscal note will allow DRS to identify the cost and submit a decision package in the 2023-25 biennial or 2024 supplemental budget process in order to meet the December 31, 2025 due date required in Section 2(10).
- Any contract with Software as a Service (SaaS) or other IT hosting vendors that host DRS’ mission critical applications will have to undergo analysis to determine if immutable backups are possible.
  -- If they are determined to be possible with these vendors, additional costs will result including contract re-negotiation.
  -- If a SaaS or third-party hosting vendor is not able to comply with this legislation, substantial work and costs will be associated with replacing and/or re-hosting the applications involved.
- It is anticipated that the new enterprise technology standards specific to malware and ransomware, as directed in Sec. 7(2)(j) of this legislation, will introduce additional operating costs. If the new standards are developed prior to the 2023-25 biennial or 2024 supplemental budget process, DRS will incorporate the cost into the agency’s budget request.

To support implementation of the components of the bill that can be estimated, and to prepare for and estimate the cost of the remaining items, DRS will need to add the following contracted and full-time positions to the agency:

Ransomware protection
124-Department of Retirement Systems
Request # 20-019-1
Bill # 2044 HB
Form FN (Rev 1/00) 173,540.00
FNS063 Individual State Agency Fiscal Note 2
• A contracted data analyst would be brought in for a period of 18 months to assist the agency with its data dictionary, classifying all data attributes, to include data size for the majority of DRS applications. The cost of this resource is estimated at $525,000 (3,000 hours @ $175 per hour).
• A full-time senior level System Administrator is required to develop plans and implement all backup and disaster recovery requirements for applicable mission critical and business essential applications. The cost of that FTE is reflected in the tables in Part III below.
• A full time IT Compliance manager (classified as IT Architect – Journey) is required to oversee all compliance and additional IT portfolio efforts required by this bill. The cost of that FTE is also reflected in the tables in Part III. below

**Part III: Expenditure Detail**

**III. A - Operating Budget Expenditures**

<table>
<thead>
<tr>
<th>Account</th>
<th>Account Title</th>
<th>Type</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>600-1</td>
<td>Department of Retirement Systems Expense Account</td>
<td>State</td>
<td>0</td>
<td>598,929</td>
<td>598,929</td>
<td>668,055</td>
<td>499,530</td>
</tr>
<tr>
<td>888-6</td>
<td>Deferred Compensation Administrative Account</td>
<td>Non-Appropriated</td>
<td>0</td>
<td>23,012</td>
<td>23,012</td>
<td>25,667</td>
<td>19,192</td>
</tr>
</tbody>
</table>

**Total $** | 0       | 621,941 | 621,941 | 693,722 | 518,722 |

In addition to the estimates above, there are additional indeterminate costs and/or savings. Please see discussion.

**III. B - Expenditures by Object Or Purpose**

<table>
<thead>
<tr>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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<tr>
<td>FTE Staff Years</td>
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<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
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<tr>
<td>A-Salaries and Wages</td>
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<td>B-Employee Benefits</td>
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<tr>
<td>C-Professional Service Contracts</td>
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<tr>
<td>E-Goods and Other Services</td>
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<td>12,580</td>
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<td>G-Travel</td>
<td></td>
<td></td>
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<tr>
<td>J-Capital Outlays</td>
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<td></td>
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<tr>
<td>M-Inter Agency/Fund Transfers</td>
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<tr>
<td>N-Grants, Benefits &amp; Client Services</td>
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<td>P-Debt Service</td>
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<tr>
<td>S-Interagency Reimbursements</td>
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<td></td>
<td></td>
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<td>T-Intra-Agency Reimbursements</td>
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<tr>
<td>9-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total $** | 0 | 621,941 | 621,941 | 693,722 | 518,722 |

In addition to the estimates above, there are additional indeterminate costs and/or savings. Please see discussion.

**III. C - Operating FTE Detail:**  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

<table>
<thead>
<tr>
<th>Job Classification</th>
<th>Salary</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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</thead>
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<tr>
<td>IT Architect - Journey</td>
<td>90,120</td>
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<td>1.0</td>
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<td><strong>Total FTEs</strong></td>
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<td><strong>1.0</strong></td>
<td><strong>2.0</strong></td>
<td><strong>2.0</strong></td>
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<td></td>
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**III. D - Expenditures By Program (optional)**

NONE
Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail:
List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 126-State Investment Board

Part I: Estimates

☒ No Fiscal Impact

Estimated Cash Receipts to:
NONE

Estimated Operating Expenditures from:
NONE

Estimated Capital Budget Impact:
NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:
☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
☐ Capital budget impact, complete Part IV.
☐ Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact</th>
<th>Phone</th>
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<tr>
<td>Desiree Omli</td>
<td>360-786-7383</td>
<td>01/25/2022</td>
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<tr>
<th>Agency Preparation</th>
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<tbody>
<tr>
<td>Celina Verme</td>
<td>(360) 956-4740</td>
<td>01/28/2022</td>
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<td>Allyson Tucker</td>
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<th>Phone</th>
<th>Date</th>
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<tbody>
<tr>
<td>Marcus Ehrlander</td>
<td>(360) 489-4327</td>
<td>01/30/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

The State Investment Board does not foresee any fiscal impacts related to the proposed legislation. We are on-track to comply with several of the requirements as a component of the Investment Data Enhancements (IDE) project funded by the Information Technology Gated Funding project. The reporting of data sizes requirements can be met with existing staffing levels.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE
Part V: New Rule Making Required
Department of Revenue Fiscal Note

Bill Number: 2044 HB  
Title: Ransomware protection  
Agency: 140-Department of Revenue

Part I: Estimates

No Fiscal Impact

Estimated Cash Receipts to:
  NONE

Estimated Expenditures from:

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<tr>
<th></th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
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<tbody>
<tr>
<td>FTE Staff Years</td>
<td>1.3</td>
<td>0.7</td>
<td>1.1</td>
<td>0.3</td>
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<td>827,900</td>
<td>827,900</td>
<td>488,000</td>
<td>201,000</td>
</tr>
</tbody>
</table>

Estimated Capital Budget Impact:
  NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- [x] If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- [ ] If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- [x] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  
Phone: 360-786-7383  
Date: 01/25/2022

Agency Preparation: Melissa Howes  
Phone: 360-534-1518  
Date: 01/30/2022

Agency Approval: Don Gutmann  
Phone: 360-534-1510  
Date: 01/30/2022

OFM Review: Cheri Keller  
Phone: (360) 584-2207  
Date: 01/30/2022

Request # 2044-1-1

Form FN (Rev 1/00)  173,940.00  1

Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe, by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Note: This fiscal note reflects language in HB 2044, 2022 Legislative Session.

This fiscal note only addresses those sections of the bill that impact the Department of Revenue (Department).

CURRENT LAW:
There is no law that specifically addresses malware and ransomware protection.

PROPOSAL:
This bill creates the Ransomware Protection Act which requires the Consolidated Technology Services Agency (WaTech) to create enterprise technology standards specific to malware and ransomware protection, backup, and recovery. State agencies must comply with these standards or obtain a waiver from doing so from WaTech.

Section 2 requires each state agency to:
- Perform monthly vulnerability scans and, upon request, provide the resulting data to the office of cybersecurity, the office of the state chief information officer, and the office of the state auditor.
- Ensure all mission critical applications, business essential applications, and other resources containing category 3 data, category 4 data, or data that requires special handling be protected according to the standards established by WaTech.
- Provide an assessment report to WaTech of all applications and resources containing data by September 1, 2022, which contains the size of managed data and a list of prioritized applications based on mission criticality and impact to the public in the event of system failure or data lost.

The assessment information and reports produced are not subject to public disclosure.

Institutions of higher education are exempt from the Section 2 requirements.

Section 3 requires that each technology project submitted to WaTech for risk assessment include information on the agency's intent to incorporate data backup and recovery for the purposes of data security and continuity of operations within the project scope.

Section 4 creates the Information Technology Security Account in the state treasury to be used for the purpose of protecting critical state agency information technology systems for which data backup and recovery are essential. The funds from this account supplement existing funding to WaTech.

EFFECTIVE DATE:
The bill takes effect 90 days after final adjournment of the session in which it is enacted.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

This legislation results in no revenue impact to taxes administered by the Department.
II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing

ASSUMPTIONS:
- It will be necessary to enter into a personal services contract with a vendor to design and produce the required backup system.
- The Department will provide staff support to vendor.

FIRST YEAR COSTS:
The Department will not incur costs in Fiscal Year 2022.

SECOND YEAR COSTS:
The Department will incur total costs of $827,900 in Fiscal Year 2023. These costs include:

- Labor Costs – Time and effort equates to 1.3 FTEs.
  - Set up, program and test computer systems for new guidelines.
  - Modify systems and applications to comply with the new guidelines.
  - Project management support and monitoring progress of project.

- Object Costs - $635,000.
  - Computer system changes including contract programming.
  - Additional hardware and software for required backup solutions.

ONGOING COSTS:
Ongoing costs for the 2023-2025 Biennium equal $488,000 and include similar activities described in the second year costs. Time and effort equates to 1.05 FTEs.

---

**Part III: Expenditure Detail**

**III. A - Expenditures by Object Or Purpose**

<table>
<thead>
<tr>
<th></th>
<th>FY 2022</th>
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<th>2021-23</th>
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**III. B - Detail:** List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

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Request # 2044-1-1
Bill # 2044 HB

FNS062 Department of Revenue Fiscal Note
III. C - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE
None.

Part V: New Rule Making Required
Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☒ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli Phone: 360-786-7383 Date: 01/25/2022

Agency Preparation: Bret Skipworth Phone: 3608906657 Date: 01/28/2022

Agency Approval: Bret Skipworth Phone: 3608906657 Date: 01/28/2022

OFM Review: Cheri Keller Phone: (360) 584-2207 Date: 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Sections 2(3) and 2(9) would require the Board of Tax Appeals (BTA) to comply with new technology standards related to ransomware and backups.

Section 2(4) would require BTA to execute and analyze monthly vulnerability scans.

Section 2(7) would require BTA to perform an assessment of all applications and resources containing data and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of a system failure or data loss.

Section 3 of the bill would require BTA to incorporate data backup and recovery plans into each technology project submitted for risk assessment.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

The expenditure impact on the Board of Tax Appeals is indeterminate, but less than $50,000.

The BTA assumes that the reporting/assessment requirements will be incorporated into current information technology (IT) reporting processes, and therefore will generate an incremental increase in workload.

The cost of compliance with the new technology requirements is indeterminate.

The BTA meets its IT requirements in partnership with WaTech Small Agency Services.

The cost of complying with new ransomware and backup/recovery requirements will depend on the level of support the BTA receives from WaTech.

The BTA assumes that it will receive support from WaTech to perform the monthly scans.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. B - Expenditures by Object Or Purpose

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE
III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  
Title: Ransomware protection  
Agency: 147-Office of Minority and Women's Business Enterprises

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

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☒ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
☐ Capital budget impact, complete Part IV.
☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  
Agency Preparation: Paul Bitar  
Agency Approval: Paul Bitar  
OFM Review: Cheri Keller

Phone: 360-786-7383  Date: 01/25/2022
Phone: 360-407-8129  Date: 01/28/2022
Phone: 360-407-8129  Date: 01/28/2022
Phone: (360) 584-2207  Date: 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

The bill adds several requirements relating to protection against ransomware and other malicious cyber activities. Section 2 requires agencies to conduct and analyze monthly vulnerability scans, and to make the data available to certain bodies upon request; to perform an assessment of all applications and other data-containing resources and to then develop a prioritized list of applications based on mission criticality and impact to constituents. State agencies must submit to the office of cybersecurity the size of managed data and the prioritized list of applications by September 1, 2022.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

The fiscal impact to OMWBE is indeterminate, as it is unclear which requirements under this bill will be met through WSDOT and/or WATech, and which requirements will need to be met using existing agency resources. OMWBE and WSDOT have an interagency agreement covering some mission critical applications, OMWBE's Information Technology environment running in the WSDOT IT environment, and providing workstation support.

Section 2(7)(a) will require OMWBE to take an inventory count of both the amount of data related to its storage requirements as well as the number of records contained in each of its data-containing systems.

Section 2(7)(a) will require OMWBE to conduct an assessment to identify and prioritize mission critical and business essential applications and our resources that require special handling, using the definition of “mission critical” and “business essential” applications established in OCIO standard 112.10 under the “business criticality” field.

Section 2(5) requires agencies to conduct and analyze monthly vulnerability scans. OWMBE will use enterprise tools offered by CTS to fulfill this requirement.

Section (2)(7)(a) requires agencies to perform an assessment of all applications and other data-containing resources and to then develop a prioritized list of applications based on mission criticality and impact to constituents. To fulfill this requirement, OMWBE will use data submitted as part of its annual application inventory submitted under policy 112 as the starting point for that collection, and then categorize data attributes according to the bill requirements.

Section (3) requirements will be met through the IT Project Assessment OMWBE currently submit for its projects.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

| Non-zero but indeterminate cost and/or savings. Please see discussion. |

III. B - Expenditures by Object Or Purpose

| Non-zero but indeterminate cost and/or savings. Please see discussion. |

Ransomware protection
Form FN (Rev 1/00) 173,855.00
FNS063 Individual State Agency Fiscal Note 2
147-Office of Minority and Women's Business Enterprise
Request # 147-2044HB-1
Bill # 2044 HB
III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
**Part I: Estimates**

- **No Fiscal Impact**

**Estimated Cash Receipts to:**
- NONE

**Estimated Operating Expenditures from:**
- NONE

**Estimated Capital Budget Impact:**
- NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:
- If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
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<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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<tr>
<td>Agency Preparation:</td>
<td>Simon Casson</td>
<td>Phone: 360-725-7038</td>
<td>Date: 01/28/2022</td>
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<td>Agency Approval:</td>
<td>Mark Dietzler</td>
<td>Phone: 360-725-7106</td>
<td>Date: 01/28/2022</td>
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<td>OFM Review:</td>
<td>Jason Brown</td>
<td>Phone: (360) 742-7277</td>
<td>Date: 01/30/2022</td>
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</table>

Bill Number: 2044 HB  
Title: Ransomware protection  
Agency: 160-Office of Insurance Commissioner

Desiree Omli  
Phone: 360-786-7383  
Date: 01/25/2022

Simon Casson  
Phone: 360-725-7038  
Date: 01/28/2022

Mark Dietzler  
Phone: 360-725-7106  
Date: 01/28/2022

Jason Brown  
Phone: (360) 742-7277  
Date: 01/30/2022

Request # 22-45-1  
Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2(1) requires the Office of Chief Information Officer (OCIO) to design, develop and implement enterprise technology standards specific to malware and ransomware protection, backup, and recovery, as well as prevention education for state employees and constituents using state technology services, incident reporting, and incident response management and remediation. Section 2(3) requires each state agency to comply with the enterprise technology standards implemented in section 2(1).

Section 2(5) requires each state agency to execute and analyze monthly vulnerability scans and make the data available to the Office of Cybersecurity, the OCIO and the Office of the State Auditor upon request.

Section 2(6) requires each state agency to ensure that all mission critical applications, business essential applications, and other resources containing data that requires special handling is protected to the maximum extent feasible.

Section 2(7) requires each state agency to perform an assessment of all their applications and resources containing data and report to the OCIO the sizing of managed data and develop a list of prioritized applications based on mission criticality. The sizing of managed data and the list of prioritized applications is required to be reported to the OCIO by September 1, 2022.

Section 2(9) requires agencies to ensure that all mission critical applications, business essential applications, and other resources containing category 3 and category 4 data are protected.

The Office of Insurance Commissioner (OIC) already complies with the requirements of this bill, including reporting data to the OCIO on an annual basis. If the OCIO adds or modifies the existing standards specific to malware and ransomware protection, backup, and recovery, the OIC will incorporate the required changes as part of its regular review of processes and procedures relating to protected data. Therefore, there is no fiscal impact to the OIC.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

Ransomware protection

Form FN (Rev 1/00) 173,346.00

FNS063 Individual State Agency Fiscal Note 2
III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
## Part I: Estimates

### No Fiscal Impact

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<tr>
<td>Consolidated Technology Services</td>
<td></td>
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<td></td>
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<tr>
<td>Revolving Account-State 458-1</td>
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<tr>
<td>Consolidated Technology Services</td>
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<td></td>
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<td></td>
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<tr>
<td>Revolving Account-Non-Appropriated 458-6</td>
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</tr>
<tr>
<td><strong>Total $</strong></td>
<td>0</td>
<td>8,331,000</td>
<td>8,331,000</td>
<td>16,162,000</td>
<td>16,062,000</td>
</tr>
</tbody>
</table>

#### Estimated Capital Budget Impact:

NONE

*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

- **X** If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

### Legislative Contact:

- Desiree Omli, Phone: 360-786-7383, Date: 01/25/2022
- Nenita Ching, Phone: 360-407-8878, Date: 01/28/2022
- Tim Gallivan, Phone: (360) 407-8215, Date: 01/28/2022
- Tyler Lentz, Phone: (360) 790-0055, Date: 01/31/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044 introduces several new requirements for both the Consolidated Technology Services (WaTech) and state agencies related to data that is captured about applications in their IT portfolios. This includes additional attributes about the type of data collected by agencies in their various systems, including data that must be provided to WaTech as part of that collection. The bill further directs WaTech to implement various changes to policy related to ransomware, incident reporting education, and data residing in applications. Lastly, WaTech also has additional reporting requirements, both one time and ongoing, related to data collected under the chapter.

Sec. 2 contains many new requirements for WaTech.

Sec. 2(1) directs the Office of the Chief Information Officer (OCIO) to design, develop, and implement enterprise technology standards specific to malware and ransomware protection, backup, and recovery. It also directs OCIO to provide prevention education related to ransomware and malware protection for state employees and constituents using state technology services. There are also additional requirements around designing, developing, and implementing policies around incident reporting and incident response management and remediation.

Sec. 2(2)(a) requires a ransomware education and outreach program dedicated to educating public agencies on prevention, response, and remediation of ransomware. Public agencies as defined in RCW 43.105 includes state agencies, local governments, municipal corporations, public utility districts, local service districts, public benefit nonprofits, tribal entities, and any federal agency.

Sec. 2(2)(b) directs the OCIO to document, publish, and distribute ransomware response educational materials for agency directors, agency CFOs, agency CIOs, and agency CISOs that outlines specific steps to take in the event of a malware attack. These materials can be distributed at the agency’s discretion.

Sec. 2(3) requires that agencies must comply with enterprise technology standards implemented in subsection 2 (1).

Sec. 2(4) provides for waivers from subsection 2(3), if an agency is unable to meet the requirements of policy directed under subsection 2(3) that is created under subsection 2(1).

Sec. 2(5) requires agencies to execute monthly vulnerability scans and make the data available to Office of Cybersecurity, OCIO, and Office of the State Auditor upon request.

Sec. 2(6) requires that all state agencies must ensure all mission critical applications, business essential applications, and other resources containing data that requires special handling (as defined in OCIO policy) are protected to the maximum extent feasible.

Sec. 2(7)(a) requires all state agencies to perform an assessment of all their applications and resources containing data and report to the OCIO the sizing of managed data to include identifying mission critical applications, business essential applications, and categorizing all data attributes, as defined in enterprise technology standards developed by the OCIO. The agencies must also develop a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure/data loss and submit that list to the OCIO.

Sec. 2(7)(b) requires that this list from agencies be submitted by September 1, 2022.

Sec. 2(8)(a) requires the OCIO to analyze and aggregate the data provided in subsection 2 (7) and prepare a report to the governor and legislature on its contents by October 31, 2023.
The report must contain the following elements, as described in subsection 2(8)(b)(i-vi):
• (i): total number of mission critical applications, total amount of data associated with each mission critical application, the percentage of mission critical applications with immutable backups, estimated annual data change and growth rates for each mission critical application, and the percentage of mission critical applications that undergo annual COOP exercises, and the percentage meeting enterprise technology standards.
• (ii): The total number of business essential applications and the same information described in requirement (i),
• (iii): The percentage of applications with catalogued and categorized data,
• (iv): Each state agency that received waivers as described in subsection 2 (4),
• (v): Prioritized applications identified by each state agency as required in subsection 2 (7)(a), and
• (vi): Recommendations for additional legislation, rules, and policy to increase against ransomware protections.

Sec. 2(9) require all mission critical and business essential applications and other resources containing category 3 or 4 data are protected in accordance with OCIO standards developed under RCW 43.105.054.

Sec. 2(10) directs the Office of Financial Management, Department of Enterprise Services, and WaTech to ensure all mission critical and business essential IT systems, as defined in OCIO policy, are compliant with the provisions of this act and have immutable backups by December 31, 2025.

Sec. 2(11) directs the OCIO to modify existing portfolio reporting mechanisms in place to support the data collection efforts defined in the bill. The data collected must be analyzed for risk and must be used to prioritize the list of mission critical applications that need additional protections, which may require additional funding by the legislature in future biennia.

Sec. 2(12) notes that the report developed in subsection 2(8) is exempt from public disclosure under RCW 42.56.

Sec. 2(13) exempts higher education from these requirements.

Sec. 3 adds new language to RCW 43.105 that notes that ransomware protection, data security, and continuity of operations are considered critical success factors of state managed technology projects, and each project which submits a risk assessment to the office must include the agency’s plan around data backup and recovery. Technology budgets must include discreet separate line items for these costs. Exit criteria for projects must include confirmation of immutable backups.

Sec. 4 creates a new account called the information technology security account, which allows for expenditures for the purposes of ransomware protections and data backups. Moneys in the account must supplement and may supplant existing funding for WaTech/OCIO.

Sec. 5 creates a new exemption within the public records act for the reports described above.

Sec. 6 amends definitions in RCW 43.105.020 to add definitions for “immutable” as it applies to a backup system’s files. Definitions for “malicious cyber activities” and “ransomware” are also included.

Sec. 7 amends RCW 43.105.054 to add a new section requiring the design, development, and implementation of enterprise technology standards specific to malware and ransomware protection, backup, and recovery.

Sec. 8 amends RCW 43.105.220 to add additional biennial reporting requirements (as the proposed section (3)(a)) for the OCIO, beginning on December 31, 2024. These requirements take data from agency reports and must include:
• The number of mission critical applications.
• The number of mission critical applications with immutable backups.
• The number of business essential applications.
• The number of business essential applications with backups meeting enterprise technology standards.

Ransomware protection  163-Consolidated Technology Services
Form FN (Rev 1/00)  173,401.00 Request #   2044 HB-1
FNS063 Individual State Agency Fiscal Note  3 Bill # 2044 HB
• The number of applications containing either category 3, category 4 data, or both.
• The number of applications containing data described in (v) that also have immutable backups.
• The breadth of threat landscape.
• A prioritized list of systems within the enterprise requiring immutable backups.
• The cost of implementing immutable backups for each prioritized application.
• The number of full-time equivalents required to manage malware prevention and response policies and agency incident response assistance.
• Progress toward protection from the last submitted report; and
• Recommendations for further work to protect critical state systems.

These additional biennial reporting requirements are exempt from disclosure under RCW 42.56.

Sec. 9 directs the OCIO to apply for federal grant or other financial assistance programs that meet the purposes of this act. The revenues must be deposited into the information technology security account created under this bill and may be used to provide security and protection of critical state systems.

Sec. 10 provides an initial appropriation for the first fiscal year into the information technology security account.

Sec. 11 denotes the bill’s short title as the Washington state ransomware protection act.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

The Office of the Chief Information Officer (OCIO) is funded by an appropriation from the Consolidated Technology Services Revolving Account (458-1). Revenues for the OCIO are collected from state agencies who receive allocations through the central services model. It is assumed that the allocations in the central services model will be adjusted by the Legislature to ensure WaTech revenues are sufficient to support the required expenditures.

Office of Cybersecurity (OCS) is funded by an appropriation from the Consolidated Technology Services Revolving Account (458-1). Revenues for the OCS are collected from state agencies who receive allocations through the central services model. It is assumed that the allocations in the central services model will be adjusted by the Legislature to ensure WaTech revenues are sufficient to support the required expenditures.

Microsoft Office 365 (M365) is funded by an appropriation from the Consolidated Technology Services Revolving Account (458-1). Revenues for M365 are collected from state agencies who receive allocations through the central services model. It is assumed that the allocations in the central services model will be adjusted by the Legislature to ensure WaTech revenues are sufficient to support the required expenditures.

Backup for new servers (as outlined in the Operation Expenses) are charged to various WaTech programs. WaTech is funded by expenditure authority from the Consolidated Technology Services Revolving Account (458). The portions that are associated with fee for service programs are approximately 44% ($486,500 annually); therefore, WaTech may have to increase rates for fee for service lines of business to generate additional fee for service revenues. Approximately 1.2% are associated with General Fund State (GF-S) services (JINDEX and Natural Hazard Data Portal). The remaining revenues (54.8%) are from charges allocated to agencies through the central services model. It is assumed allocations in the central services model will be adjusted by the Legislature.

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCS CSM (458-1)</td>
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<td>415,300</td>
<td>415,300</td>
<td>330,600</td>
<td>230,600</td>
</tr>
<tr>
<td>OCIO CSM (458-1)</td>
<td>0</td>
<td>1,139,900</td>
<td>1,139,900</td>
<td>2,279,800</td>
<td>2,279,800</td>
</tr>
<tr>
<td>M365 CSM (458-1)</td>
<td>0</td>
<td>4,680,000</td>
<td>4,680,000</td>
<td>9,660,000</td>
<td>9,360,000</td>
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<tr>
<td>Small Agency CSM (458-1)</td>
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<td>6,400</td>
<td>6,400</td>
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<tr>
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<td>37,700</td>
<td>37,700</td>
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<td>75,400</td>
</tr>
</tbody>
</table>

Ransomware protection
Form FN (Rev 1/00) 173,401.00
FNS063 Individual State Agency Fiscal Note
II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Policy:

There are direct policy and enterprise impacts associated with this bill.

Sec. 2(1). The Office of Cybersecurity (OCS) in coordination with the Office of the Chief Information Officer (OCIO) will design, develop, and implement enterprise standards for malware and ransomware and incident reporting and response within existing resources.

Sec. 2(2)(a)(b) requires an outreach program to educate public agencies, which is defined in RCW 43.105.020 as state and federal agencies, local governments/districts, public benefit nonprofits, tribal entities, etc. on the prevention, response, and remediation of ransomware; and to document and distribute ransomware response materials. OCS will contract with consultants to create and execute an educational program. The costs cannot be estimated until the volume and extent of the statement of work are identified. Expenses related to this effort are indeterminate.

Sec. 2(5) requires agencies to execute monthly vulnerability scans and make the data available to Office of Cybersecurity, OCIO, and Office of the State Auditor upon request. WaTech will require sustainable funding for the enterprise vulnerability scanning tool, which is estimated at $1,015,000 annually. OCS requires an IT Security Senior Specialist, working 50% of time, to request the sample data from agencies, analyze it, and evaluate the remedies for appropriateness. The annual costs are estimated to be $115,000 ($73,000 salary and benefits, $1,000 for goods and services, training, and travel, and $41,000 for agency overhead and shared services.

Sec. 2(6) and 2(7) updates existing IT Portfolio policies and standards and the OCIO will need to educate agencies on the new IT Portfolio reporting requirements. Sec. 2(8), 2(9), 2(10), 2(11) requires developing or updating a solution to capture the new reporting requirements and educating agencies on the new application reporting requirements.

OCIO anticipates receiving requests for policy waivers from up to 80 agencies while they develop and implement compliance plans to meet IT Portfolio reporting requirements in the bill. The anticipated volume is 400 applications for waivers (assuming five applications per agency).

Two IT Policy and Planning Expert positions at WMS 2 level are necessary to meet these requirements, to register, review/analyze, and track waiver requests and compliance plans for IT Portfolio and security policies. The duration of each agency’s waiver process will depend on the size of the agency and the complexity of their path to compliance. Historically, larger agencies trying to perform this type of complex work using existing resources take 2-5 years and require multiple waiver extensions.

OCIO estimates spending approximately 4,224 hours to support the following activities:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Hours</th>
<th>Multiplier</th>
<th>Total Estimated Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Request initiation activities</td>
<td>1.5</td>
<td>400 Applications</td>
<td>600</td>
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<tr>
<td>Negotiate compliance plan with agency</td>
<td>2.0</td>
<td>400 Applications</td>
<td>800</td>
</tr>
</tbody>
</table>

Ransomware protection

Form FN (Rev 1/00) 173,401.00

FNS063 Individual State Agency Fiscal Note 5

163-Consolidated Technology Services

Request # 2044 HB-1

Bill # 2044 HB
Waiver disposition reason and approval process 2.0 400 Applications 800
Capture/track agency monthly status report 5.0 400 Applications 2,000
Produce and publish monthly report. 24.0 1 Report 24
Total Hours 34.5 4,224

The annual cost for the two IT Policy and Planning Expert (WMS 2) is estimated to be $457,800 ($287,600 salary and benefits, $6,200 for goods and services, training, and travel, and $164,000 for agency overhead and shared services).

Sec. 2(8) requires a report to the governor and legislature by October 31, 2023, providing data on mission critical applications, as itemized in Sec. 2(8)(b)(i-vi). A consultant will be necessary to develop processes and procedures for data collection and analysis, and to perform the data collection and analysis, and to compile the report. Professional services are estimated at $400,000 (16 months X 125 hour per month X $200 per hour).

Sec. 4 creates a new account called the information technology security account. It is unclear which agency will manage this account based on the how the bill is written. Assuming WaTech manages the account, a Fiscal Analyst 4 working at 25% of time will be necessary to track various sources of revenues and expenditures and reconcile the fund. The annual costs are estimated to be $43,800 ($22,500 salary and benefits, $800 for goods and services, training, and travel, and $20,500 for agency overhead and shared services).

Sec. 8. Additional requirements to OCIO’s biennial reporting will be met by incorporating processes and procedures from the contractor procured to comply with the other reporting provisions of Sec. 2 (8) in this bill. Because those processes and procedures will be implemented for ongoing reporting requirements, the additional reporting requirements in Sec. 8 can be met with existing resources.

Sec. 9 directs the OCIO to apply for federal grant or other financial assistance programs. To meet the requirements of this section, the following employee support are necessary:
1. One Grant Program Manager at WMS2 level to research grants, write proposals, communicate with granting entities, and to manage the grant requirements. The annual costs are estimated to be $228,900 ($143,800 salary and benefits, $3,100 for goods and services, training, and travel, and $82,000 for agency overhead and shared services).
2. One Grant Fiscal Manager at WMS2 level to provide cost analysis, financial reporting, grant reconciliation, and coordinate the grant audits. The annual costs are estimated to be $228,900 ($143,800 salary and benefits, $3,100 for goods and services, training, and travel, and $82,000 for agency overhead and shared services).
3. Fiscal Analyst 4 working 25% of time to complete the drawing of federal funds or other grant programs. The annual costs are estimated to be $23,300 ($22,500 salary and benefits, $800 for goods and services, training, and travel).)
The sum of the expenses itemized above is $2,413,000 in FY23, $2,213,000 in FY24, and $2,113,000 in FY25 and after.

Operations:
WaTech and Small Agency IT Support will be required to comply with the new requirements of this bill or obtain a waiver.

Sec. 2(3)(4) requires that agencies must comply with enterprise technology standards implemented in section 1 or obtain a waiver per Sec. 2(4). This effort will be undertaken with existing resources.

Sec. 2(5) Requires vulnerability scans for agencies. Currently, WaTech and IT Small Agency Support conduct the analysis monthly using the enterprise vulnerability tool and meet the requirements in this section, however, as noted in the policy section, the agency will need sustainable funding to finance this in outgoing years.

Sec. 2(10) directs the Office of Financial Management, Department of Enterprise Services, and WaTech to ensure all mission critical and business essential IT systems are compliant with the provisions of this act and have immutable backups.

Compliance for immutable backups require:
• Backups for the Enterprise Microsoft Office 365 (M365): We estimate the listing price for unlimited licenses for M365 hosted storage at $6 per user per month. The annual costs are estimated to be $4,680,000 ($6.00 X 12 months X 65,000 users).
• Backups for new servers in Washington Cloud: Currently, WaTech provides the backup services that are already in compliance with this requirement at $.39 per gigabyte (GB) per month. Current data shows that there are approximately 226,435 GB of WaTech’s mission critical and business essential data (in various areas) that are not being backup with immutable backups. The annual costs to comply with this requirement is approximately $1,059,716 (226,435 GB X $.39 X 12 Months).
• Backups for critical applications for OCIO outside of Washington Cloud: Annual expenses for 7 applications requiring immutable backups are $178,000.

The sum of expenses for immutable backup is $5,918,000 in FY23; $11,836,000 biennially.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

<table>
<thead>
<tr>
<th>Account</th>
<th>Account Title</th>
<th>Type</th>
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<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
</tr>
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<tr>
<td>001-1</td>
<td>General Fund</td>
<td>State</td>
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<tr>
<td>458-1</td>
<td>Consolidated Technology Services Revolving Account</td>
<td>State</td>
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<td>11,983,200</td>
<td>11,883,200</td>
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<tr>
<td>458-6</td>
<td>Consolidated Technology Services Revolving Account</td>
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<td>4,153,200</td>
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</table>

Total $ 0 8,331,000 8,331,000 16,162,000 16,062,000

III. B - Expenditures by Object Or Purpose

<table>
<thead>
<tr>
<th>Item</th>
<th>FY 2022</th>
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<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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</tr>
<tr>
<td>B-Employee Benefits</td>
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<td>C-Professional Service Contracts</td>
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<td>100,000</td>
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<tr>
<td>E-Goods and Other Services</td>
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<td>G-Travel</td>
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<tr>
<td>J-Capital Outlays</td>
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<td></td>
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</tr>
<tr>
<td>M-Inter Agency/Fund Transfers</td>
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<td></td>
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</tr>
<tr>
<td>N-Grants, Benefits &amp; Client Services</td>
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<tr>
<td>P-Debt Service</td>
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<tr>
<td>S-Interagency Reimbursements</td>
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<td>T-Intra-Agency Reimbursements</td>
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Total $ 0 8,331,000 8,331,000 16,162,000 16,062,000

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

<table>
<thead>
<tr>
<th>Job Classification</th>
<th>Salary</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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</thead>
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<tr>
<td>Fiscal Analyst 4</td>
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<td>0.3</td>
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<tr>
<td>IT Security Sr Specialist</td>
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<td>0.3</td>
<td>0.5</td>
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<tr>
<td>WMS2 - Grant Fiscal Manager</td>
<td>108,000</td>
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<td>0.5</td>
<td>1.0</td>
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<tr>
<td>WMS2 - Grant Program Manager</td>
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<td>1.0</td>
<td>0.5</td>
<td>1.0</td>
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<tr>
<td>WMS2 - IT Policy &amp; Planning Expert</td>
<td>108,000</td>
<td>2.0</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
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</tbody>
</table>

Total FTEs 5.0 2.5 5.0 5.0
III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
NONE
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☒ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

| Legislative Contact: Desiree Omli | Phone: 360-786-7383 | Date: 01/25/2022 |
| Agency Preparation: Paul Bitar | Phone: 360-407-8129 | Date: 01/28/2022 |
| Agency Approval: Paul Bitar | Phone: 360-407-8129 | Date: 01/28/2022 |
| OFM Review: Cheri Keller | Phone: (360) 584-2207 | Date: 01/29/2022 |
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

2044 HB would result in a fiscal impact to the Board of Accountancy (ACB), but costs are indeterminate at this time.

The bill would add requirements aimed at protecting data stored on state agency information technology (IT) systems.

Section 2(5) would require agencies to perform monthly vulnerability scans of their IT systems. ACB would use the enterprise tools offered by CTS to fulfill this requirement.

Section 2(6) would require critical/essential applications to be protected to the maximum extent possible. ACB anticipates that its use of WaTech services would bring some of its applications into compliance with the requirements of this section. ACB is part of the WaTech M365 Shared Tenant, so these costs are included in WaTech’s fiscal note.

ACB anticipates that it may incur costs to bring the agency into compliance with the storage requirements imposed under this bill. ACB will need to work with the vendors that support the agency's electronic content management and licensing systems to determine whether the current storage solutions meet the requirements set forth in Section 2 (6). For any data not currently in compliance, the agency will use a rate of $0.39/GB to calculate the cost to move to a secure option.

Section 2(7) would require agencies to perform an assessment of critical/essential applications and submit a report to the OCIO by September 1, 2022. ACB has several mission critical applications, including its electronic content management system and CPA licensing system. The agency expects that staff will spend time on the assessment and report, but cannot estimate hours at this time.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

STORAGE COSTS
ACB is in the process of evaluating whether its current storage solutions meet the requirements of Section 2 (6). Applicable costs will be reported when the info becomes available.

ASSESSMENT/REPORTING COSTS
ACB will incur staff costs associated with the assessment and reporting requirement imposed under Section 2 (7). The agency expects that estimating these costs will be possible once assessment and reporting guidelines are published.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. B - Expenditures by Object Or Purpose

Non-zero but indeterminate cost and/or savings. Please see discussion.
III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA
NONE

III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 166-Board of Registration for Professional Engineers & Land Surveyors

Part I: Estimates

☑ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: Paul Bitar  Phone: (360) 407-8129  Date: 01/28/2022
Agency Approval: Paul Bitar  Phone: (360) 407-8129  Date: 01/28/2022
OFM Review: Kyle Siefering  Phone: (360) 995-3825  Date: 01/31/2022

Form FN (Rev 1/00) 173,922.00  Request # 166-2044HB-1
FNS063 Individual State Agency Fiscal Note 1  Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

2044 HB bill would add requirements aimed at protecting data stored on state agency information technology (IT) systems.

Section 2(5) would require agencies to perform monthly vulnerability scans of their IT systems. BRPELS would use the enterprise tools offered by CTS to fulfill this requirement.

Section 2(6) would require critical/essential applications to be protected to the maximum extent possible. BRPELS anticipates that its use of WaTech services would bring some of its applications into compliance with this section. BRPELS is part of the WaTech M365 Shared Tenant, so these costs are included in WaTech’s fiscal note. BRPELS' professional licensing system is administered by DOL, so BRPELS does not expect to directly incur costs to comply with the storage requirements. BRPELS would reimburse DOL for any costs DOL incurs bringing BRPELS' licensing system into compliance with this section.

Section 2(7) would require agencies to perform an assessment of critical/essential applications and submit a report to the OCIO by September 1, 2022. BRPELS does not expect this section to result in a significant impact to staff.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

| Non-zero but indeterminate cost and/or savings. Please see discussion. |

III. B - Expenditures by Object Or Purpose

| Non-zero but indeterminate cost and/or savings. Please see discussion. |

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
Part I: Estimates

X No Fiscal Impact

Estimated Cash Receipts to:
NONE

Estimated Operating Expenditures from:
NONE

Estimated Capital Budget Impact:
NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

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☐ Capital budget impact, complete Part IV.
☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli Phone: 360-786-7383 Date: 01/25/2022
Agency Preparation: Bret Skipworth Phone: 3608906657 Date: 01/28/2022
Agency Approval: Bret Skipworth Phone: 3608906657 Date: 01/28/2022
OFM Review: Kyle Siefering Phone: (360) 995-3825 Date: 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact
Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Sections 2(3) and 2(9) would require the Forensic Investigations Council (FIC) to comply with new technology standards related to ransomware and backups.

Section 2(4) would require FIC to execute and analyze monthly vulnerability scans.

Section 2(7) would require FIC to perform an assessment of all applications and resources containing data and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of a system failure or data loss.

Section 3 of the bill would require FIC to incorporate data backup and recovery plans into each technology project submitted for risk assessment.

FIC does not possess its own servers and all members of FIC are on a volunteer basis using emails and contact information from other organizations. FIC also does not have any access to statewide systems or systems provided by the state as they are serviced by the Washington State Patrol and the Department of Enterprise Services. With this, FIC believes there would be no fiscal impact to the agency.

II. B - Cash receipts Impact
Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures
Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures
NONE

III. B - Expenditures by Object Or Purpose
NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA
NONE

III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
NONE
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
## Individual State Agency Fiscal Note

<table>
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<tr>
<th>Bill Number:</th>
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<th>Ransomware protection</th>
<th>Agency:</th>
<th>179-Department of Enterprise Services</th>
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### Part I: Estimates

- **No Fiscal Impact**

#### Estimated Cash Receipts to:

**NONE**

#### Estimated Operating Expenditures from:

**NONE**

#### Estimated Capital Budget Impact:

**NONE**

---

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- [x] If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- [ ] If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

---

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Ivy Huynh</td>
<td>Phone: (360) 407-8763</td>
<td>Date: 01/26/2022</td>
</tr>
<tr>
<td>Agency Approval:</td>
<td>Ashley Howard</td>
<td>Phone: (360) 407-8159</td>
<td>Date: 01/26/2022</td>
</tr>
<tr>
<td>OFM Review:</td>
<td>Tyler Lentz</td>
<td>Phone: (360) 790-0055</td>
<td>Date: 01/28/2022</td>
</tr>
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</table>

Form FN (Rev 1/00) 173,446.00
FNS063 Individual State Agency Fiscal Note 1
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2 (subsection 3 through 7) requires each state agency to:

• comply with the enterprise technology standards implemented by the Office of the State Chief Information Officer (OCIO) within the Consolidated Technology Services (CTS).
• submit a waiver to the OCIO if the agency is precluded from complying with the enterprise technology standards.
• execute and analyze monthly vulnerability scans, making data available to the office of cybersecurity (OCS), the OCIO and the Office of the State Auditor upon request.
• ensure that all mission critical applications, business essential applications, and other resources containing data that requires special handling are protected to the maximum extent feasible.
• perform an assessment of applications and resources containing data and report to the office the sizing of managed data and develop a list of prioritized applications based on mission criticality and impact.
• submit the sizing of managed data and the list required of this subsection to the office by September 1, 2022.

These requirements can be incorporated into Department of Enterprise Services (DES)'s routine business process. Therefore, there is no fiscal impact to DES.

Section 2 (10) also requires the Office of Financial Management (OFM), DES, and CTS to ensure that all mission critical and business essential information technology systems, in accordance with enterprise technology standards are compliant with the provisions of this act and are supported by immutable backups by December 31, 2025. This can also be incorporated into DES’s routine business process. Therefore, it has no fiscal impact to DES.

Section 5 is the new section stating the reports and information compiled pursuant to section 2 (7) and 8(b) of this bill are confidential and may not be disclosed under this chapter. This has no fiscal impact to DES as this is our routine business process.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

Ransomware protection  179-Department of Enterprise Services  173,446.00
Form FN (Rev 1/00)  173,446.00
FNS063 Individual State Agency Fiscal Note  2
III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

| Bill Number: | 2044 HB | Title: | Ransomware protection | Agency: | 195-Liquor and Cannabis Board |

Part I: Estimates

[X] No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Colin O Neill</td>
<td>Phone: (360) 522-2281</td>
<td>Date: 01/27/2022</td>
</tr>
<tr>
<td>Agency Approval:</td>
<td>Aaron Hanson</td>
<td>Phone: 360-664-1701</td>
<td>Date: 01/27/2022</td>
</tr>
<tr>
<td>OFM Review:</td>
<td>Cheri Keller</td>
<td>Phone: (360) 584-2207</td>
<td>Date: 01/27/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

The fiscal impact to the agency is minimal and can be absorbed. The reporting requirements of this bill are estimated at 80 hours ($5,768) in staff costs per year.

Section 2(1): The Office of the Chief Information Officer (OCIO) shall design, develop, and implement enterprise technology standards specific to malware and ransomware protection, backup, and recovery, as well as prevention education for state employees and constituents using state technology services, incident reporting, and incident response management and remediation.

Section 2(3): Except as provided in subsection (4) of this section, each state agency as defined within enterprise technology standards developed pursuant to RCW 43.105.054 must comply with the enterprise technology standards implemented pursuant to subsection (1) of this section.

Section 2(4): A state agency with a requirement that precludes it from complying with subsection (3) of this section must receive a waiver from the OCIO.

Section 2(5): Each state agency must execute and analyze monthly vulnerability scans, making data available to the office of cybersecurity, the OCIO, and the office of the state auditor upon request.

Section 2(6): Each state agency must ensure that all mission critical applications, business essential applications, and other resources containing data that requires special handling, as defined in enterprise technology standards developed pursuant to RCW 43.105.054, must be protected to the maximum extent feasible.

Section 2(7)
(a): Each state agency must perform an assessment of all their applications and resources containing data and report to the OCIO the sizing of managed data to include identifying mission critical applications, business essential applications, and categorizing all data attributes, as defined in enterprise technology standards developed pursuant to RCW 43.105.054, and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss and submit the list to the OCIO.
(b) Each state agency must submit the sizing of managed data and the list required in (a) of this subsection to the office by September 1, 2022.

Section 2(9): Agencies must ensure that all mission critical applications, business essential applications, and other resources containing category 3 and category 4 data are protected in accordance with enterprise technology standards developed under RCW 43.105.054.

Section 3: Ransomware protection, data security, and continuity of operations are considered critical success factors of state managed technology projects. Each technology project submitted for risk assessment by the office must include an indication of the agency's intent to incorporate data backup and recovery for the purposes of data security and continuity of operations within the project scope. Technology budgets analyzed as part of gated funding must include discreet separate line items for backup and recovery services where applicable. Exit criteria for each applicable project must include confirmation of an immutable backup solution as well as a successful test of application and data recovery.

Section 6: adds definitions of “Immutable,” “malicious cyber activities,” and “ransomware.”

II. B - Cash receipts Impact

Ransomware protection
Form FN (Rev 1/00) 173,345.00
FNS063 Individual State Agency Fiscal Note 2

195-Liquor and Cannabis Board
Request # 2044 HB-1
Bill # 2044 HB
Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
# Individual State Agency Fiscal Note

<table>
<thead>
<tr>
<th>Bill Number:</th>
<th>2044 HB</th>
<th>Title:</th>
<th>Ransomware protection</th>
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<th>205-Board of Pilotage Commissioners</th>
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## Part I: Estimates

- ☒ **No Fiscal Impact**

### Estimated Cash Receipts to:

NONE

### Estimated Operating Expenditures from:

NONE

### Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- [ ] If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- [ ] If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Bret Skipworth</td>
<td>Phone: 360-8906657</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>Agency Approval:</td>
<td>Bret Skipworth</td>
<td>Phone: 360-8906657</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>OFM Review:</td>
<td>Kyle Siefering</td>
<td>Phone: (360) 995-3825</td>
<td>Date: 01/28/2022</td>
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Form FN (Rev 1/00)  173,816.00  Request #: 2044HB-1-1
FNS063 Individual State Agency Fiscal Note  1  Bill #: 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Sections 2(3) and 2(9) would require the Board of Pilotage Commissioners (BPC) to comply with new technology standards related to ransomware and backups.

Section 2(4) would require BPC to execute and analyze monthly vulnerability scans.

Section 2(6) would require critical/essential applications to be protected to the maximum extent possible.

Section 2(7) would require BPC to perform an assessment of all applications and resources containing data and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of a system failure or data loss.

Section 3 of the bill would require BPC to incorporate data backup and recovery plans into each technology project submitted for risk assessment.

BPC receives it's IT support through the Department of Transportation and does not anticipate any fiscal impact from these requirements.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  
Title: Ransomware protection  
Agency: 215-Utilities and Transportation Commission

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

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</table>

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

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☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  
Phone: 360-786-7383  
Date: 01/25/2022

Agency Preparation: Kim Anderson  
Phone: 360-664-1153  
Date: 01/28/2022

Agency Approval: Amy Andrews  
Phone: 360-481-1335  
Date: 01/28/2022

OFM Review: Kyle Siefering  
Phone: (360) 995-3825  
Date: 01/28/2022

Form FN (Rev 1/00) 173,553.00  
Request # 22-30-1

FNS063 Individual State Agency Fiscal Note  
Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This bill requires the UTC’s Critical and Business Essential applications be compliant with OCIO’s proposed enterprise technology standards specific to malware and ransomware protection, backup, and recovery by December 31, 2025.

Section 2(7):
Requires each state agency to perform an assessment of all their applications and resources containing data and report to the office the sizing of managed data to include identifying mission critical applications, business essential applications, and categorizing all data attributes, as defined in enterprise technology standards developed pursuant to RCW 43.105.054, and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss and submit the list to the office.

It also requires each state agency to submit the sizing of managed data and the list to the office by September 1, 2022.

The UTC assumes its Information Services staff will be required to report to the OCIO a complete list of the commission’s mission critical and business essential applications and the sizes of their data stores by September 1, 2022.

Section 2(10):
Requires the office of financial management, department of enterprise services, and consolidated technology services agency to ensure that all mission critical and business essential information technology systems, in accordance with enterprise technology standards developed under RCW 43.105.054, are compliant with the provisions of this act and are supported by immutable backups by December 31, 2025.

The UTC assumes this section requires the commission to ensure that all mission critical and business essential applications are supported by immutable backups. For internal, custom applications (those where WaTech stores our data), the UTC currently has immutable backups through WaTech, and therefore assume no significant additional costs would be incurred. However, the UTC assumes the agency will need to conduct an assessment to ensure those backup solutions are compliant. For cloud applications, there are too many unknowns and variables to reasonably estimate the time or costs associated, so we are declaring those potential costs indeterminate at this time.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Section 2(7):
Assess mission-critical and business-essential applications for compliance with OCIO standards and to determine sizing of managed data by Sept. 1, 2022

$5,573
FY2023
(Chief Information Officer, 0.01 FTE; Application Development Supervisor, 0.01 FTE; IT Application Development, Journey, 0.01 FTE; IT Project Manager, 0.01 FTE)

$11,145 annually
FY24 and FY25 $11,145
(Chief Information Officer, 0.02 FTE; Application Development Supervisor, 0.02 FTE; IT Application Development, Journey, 0.02 FTE; IT Project Manager, 0.02 FTE)

Section 2(10):
Remediate cloud-hosted applications that do not meet OCIO enterprise technology standards specific to malware and ransomware protection, backup, and recovery by Dec. 31, 2025

$7,519
FY23
(Application Development Supervisor, 0.02 FTE; IT Application Development, Journey, 0.04 FTE)

FY2024 and FY2025 $30,077 annually
(Application Development Supervisor, 0.08 FTE; IT Application Development, Journey, 0.15 FTE)

Ensure immutability of backups for critical on-premises applications by Dec. 31, 2025
$3,047
FY23
(Chief Information Officer, 0.01 FTE; IT System Administration, Senior, 0.02 FTE)

$6,093
FY24
(Chief Information Officer, 0.01 FTE; IT System Administration, Senior, 0.02 FTE)

Ensure immutability of backups for cloud-hosted applications by Dec. 31, 2025
Indeterminate.

Develop new or update existing disaster recovery and annual recovery testing procedures
$5,780
FY24
(Chief Information Officer, 0.01 FTE; Application Development Supervisor, 0.01 FTE; IT System Administration, Senior, 0.01 FTE; IT Project Manager, 0.01 FTE)

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

<table>
<thead>
<tr>
<th>Account</th>
<th>Account Title</th>
<th>Type</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
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<td>16,138</td>
<td>16,138</td>
<td>94,317</td>
<td>0</td>
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III. B - Expenditures by Object Or Purpose

<table>
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<tr>
<th></th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
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<td>E-Goods and Other Services</td>
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<td>G-Travel</td>
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<td>J-Capital Outlays</td>
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<td></td>
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</tr>
<tr>
<td>M-Inter Agency/Fund Transfers</td>
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<tr>
<td>N-Grants, Benefits &amp; Client Services</td>
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<td>P-Debt Service</td>
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<td>S-Interagency Reimbursements</td>
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<td>T-Intra-Agency Reimbursements</td>
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<td><strong>Total $</strong></td>
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<td>16,138</td>
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<td>94,317</td>
<td>0</td>
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III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

<table>
<thead>
<tr>
<th>Job Classification</th>
<th>Salary</th>
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<td><strong>Total FTEs</strong></td>
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<td>0.4</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

X If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: Maria Thomas  Phone: 360-902-0113  Date: 01/28/2022
Agency Approval: Gerrit Eades  Phone: (360)902-3863  Date: 01/28/2022
OFM Review: Kyle Siefering  Phone: (360) 995-3825  Date: 01/28/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This bill would create a Washington State Ransomware Protection Act. The act would require Department of Licensing (DOL) to comply with OCIO established standards, or receive a waiver. In addition, DOL would be required to:

- Execute and analyze monthly vulnerability scans.
- Ensure mission critical and business essential applications, and other resources containing data that requires special handling is protected to the maximum extent feasible.
- Perform an assessment of all applications and resources containing data and report to the OCIO.
- Submit a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss.
- Submit the size of managed data.
- Ensure all mission critical applications, business essential applications, and other resources containing category 3 and category 4 data are protected.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

No cash receipts are expected from this legislation.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Please see the attached Fiscal Note.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. B - Expenditures by Object Or Purpose

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout

*Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods*

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Agency 240 – Department of Licensing

Bill Number: 2044 HB  Bill Title: Protection of critical constituent and state operational data

Part 1: Estimates
☐ No Fiscal Impact

Estimated Cash Receipts:
No cash receipts are expected from this legislation.

Estimated Expenditures:
Indeterminate fiscal impact.

The revenue and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions.
☐ If the fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
☒ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
☐ Capital budget impact, complete Part IV.
☐ Requires new rule making, complete Part V.

| Legislative Contact: Steven Puvogel | Phone: (360) 701-6459 | Date: 01-25-22 |
| Agency Preparation: Maria Thomas | Phone: (360) 902-3615 | Date: 01-28-22 |
| Agency Approval: Gerrit Eades | Phone: (360) 902-3931 | Date: 01-28-22 |

| Request # | 1 |
| Bill # |  |
Part 2  –  Explanation

2.A  –  Brief Description Of What The Measure Does That Has Fiscal Impact

This bill would create a Washington State Ransomware Protection Act. The act would require Department of Licensing (DOL) to comply with OCIO established standards or receive a waiver. In addition, DOL would be required to:

- Execute and analyze monthly vulnerability scans.
- Ensure mission critical and business essential applications, and other resources containing data that requires special handling is protected to the maximum extent feasible.
- Perform an assessment of all applications and resources containing data and report to the OCIO.
- Submit a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss.
- Submit the size of managed data.
- Ensure all mission critical applications, business essential applications, and other resources containing category 3 and category 4 data are protected.

2.B  - Cash receipts Impact

No cash receipts are expected from this legislation.

2.C  –  Expenditures

The fiscal impact of this bill is indeterminate.

DOL collects, manages, and protects a variety of highly sensitive data and is dependent on data back up and disaster recovery standards and practices to ensure safety of critical, sensitive, and confidential data. The extent to which existing data backup and disaster recovery practices would be impacted by the provisions of this bill is unknown, and while DOL is unable to provide an exact cost estimate of HB 2044, we would like to provide the breakdown of our assumptions.

Section 2(5) requires DOL to either use enterprise tools offered by CTS to fulfill this requirement or have an existing solution that can import information into the enterprise solution offered by CTS.

- DOL estimates 0.2 FTE of IT Security - Senior Specialist will be needed for 24 months and ongoing to set up, execute and analyze monthly vulnerability scans.

- Impact to DOL’s business areas from Sec 2(5) is indeterminate and will be based on results of vulnerability scans.

Section 2(6) requires DOL to ensure all mission critical applications, business essential applications, and other resources containing data that requires special handling is protected to the maximum extent feasible.

- DOL will need to review and identify all mission critical applications and data – it is estimated to involve significant effort from the enterprise architecture team to identify applications and infrastructure that fall within the provisions of Sec 2(6).

- In addition, 0.2 FTE of IT Security - Senior Specialist will be needed for 24 months to perform reviews.
• DOL’s Data Management Office estimates 0.1 FTE of Management Analyst 4 will be needed for 12 months to identify the types and location of data collected by DOL.

• In the event DOL IT Security team identifies areas that do not meet the requirements set forth in Sec 2(6), DOL will need an additional 1.0 FTE of IT Data Management - Journey to ensure DOL is meeting OCIO data security requirements, as well as restrictions.

Section 2(7) requires DOL to perform an assessment of all applications and resources containing data and report to the OCIO the sizing of managed data to include mission critical applications, business essential applications, and categorizing all data attributes, as defined by enterprise technology standards developed pursuant to RCW 43.105.054; and develop and submit to the OCIO, a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss; and submit the sizing of managed data and the list required in (a) of this subsection to the office by September 1, 2022.

• DOL currently conducts an annual inventory of applications and infrastructure but not an assessment as required by Section 2(7) of this bill. DOL estimates 0.2 FTE of IT Security - Senior Specialist will be needed for 24 months to perform an assessment, categorize data attributes, and develop and submit to the OCIO a list of prioritized applications.

Section 2(9) requires DOL to ensure that all mission critical applications, business essential applications, and other resources containing category 3 and category 4 data are protected in accordance with enterprise technology standards developed under RCW 43.105.054.

• DOL estimates 0.2 FTE of IT Architect - Senior Specialist will be needed for 24 months to ensure all DOL databases and applications and other resources are identified, documented, and protected, and to implement enterprise technology standards.

• DOL also estimates 0.2 FTE of IT Security - Senior Specialist will be needed for 24 months to implement and oversee enterprise technology standards relating to security of category 3 and 4 data.

• DOL’s Server Support group will need additional 1.0 FTE of IT Data Management to identify, document and implement technology standards on category 3 and 4 data.

• DOL will need 0.5 FTE of Management Analyst 4 for 10 months to identify category 3 and 4 information in resources other than mission critical and business essential applications. This work will include content analysis of little-used and obsolete applications, shared drive resources, M365 online resources, and accounts of former employees retained for legal or HR purposes.

Section 2(10) requires office of financial management, department of enterprise services, and consolidated technology service to ensure all mission critical and business essential information technology systems are compliant with the provisions of this act and are supported by immutable backups by December 31, 2025.

• DOL estimates 0.2 FTE of IT Security - Senior Specialist will be needed for 24 months to validate the data.

Without established data backup and disaster recovery criteria by the OCIO, the preliminary cost estimate exceeds $700,000 in FY 2023 and $550,000 FY 2024. However, if existing DOL data backup and disaster recovery practices will be found vulnerable to ransomware and other malicious cyber activities and require changes to be in compliance and maintain business process, this estimate will go up.
Part 3 – Expenditure Detail

Non-zero but indeterminate costs and/or savings. Please see discussion.

Part 4 – Capital Budget Impact

None.

Part 5 – New Rule Making Required

None.
Individual State Agency Fiscal Note

Bill Number: 2044 HB  
Title: Ransomware protection  
Agency: 245-Military Department

Part I: Estimates

No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

<table>
<thead>
<tr>
<th>Account</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
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<td>449,990</td>
<td>449,990</td>
</tr>
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</table>

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

Estimated Capital Budget Impact:

NONE

Legislative Contact: Desiree Omli  
Phone: 360-786-7383  
Date: 01/25/2022

Agency Preparation: Melanie Rogers  
Phone: 253-512-8555  
Date: 01/28/2022

Agency Approval: Regan Hesse  
Phone: 253-512-8115  
Date: 01/28/2022

OFM Review: Tyler Lentz  
Phone: (360) 790-0055  
Date: 01/28/2022

Form FN (Rev 1/00) 173,574.00  
Request # 2044 HB-1

FNS063 Individual State Agency Fiscal Note  
Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Creates a requirement for agencies to have immutable backups of data and critical applications, for agencies to conduct security analysis and reporting, and for the Office of the Chief Information Officer to be the data collection point for the progress and situation of each agency. The increased cost for the agency is to purchase a backup solution that is immutable and fund an IT Security - Journey FTE.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Section 2 (2) adds education and outreach for malware and ransomware. Section 2 (5-8) adds security scans, analysis, corrective actions and reporting requirements to the Office of the State Chief Information Officer and Office of the State Auditor. A true “immutable” solution, to meet the intent of Section 2 (10) may be needed, which would cost a minimum of $75,000 a year for the data and applications at the Military Department. This is mainly for the records from Emergency Management and the WA Youth Challenge Academy. The purchase of an extended solution on top of what the agency currently utilizes from the same vendor would be $125 per terabyte per month. Our agency would utilize 50 terabytes minimum per month. This equates to $75,000 per year. If our agency utilized the WaTech solution at $407 per terabyte at 50 terabytes the agency cost would be $244,200 per year, just for critical data and applications.

The Military Department is currently overwhelmed with security analysis, reporting requirements, and corrective actions to mitigate security risks. In order to properly implement the intent, the department requires one FTE (IT Security - Journey).

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

<table>
<thead>
<tr>
<th>Account</th>
<th>Account Title</th>
<th>Type</th>
<th>FY 2022</th>
<th>FY 2023</th>
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<td>224,995</td>
<td>224,995</td>
<td>449,990</td>
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</table>

III. B - Expenditures by Object Or Purpose

<table>
<thead>
<tr>
<th></th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
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<td>FTE Staff Years</td>
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<td>A-Salaries and Wages</td>
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<td>160,000</td>
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<tr>
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<tr>
<td>J-Capital Outlays</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M-Inter Agency/Fund Transfers</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>N-Grants, Benefits &amp; Client Services</td>
<td></td>
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</tr>
<tr>
<td>P-Debt Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-Interagency Reimbursements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T-Intra-Agency Reimbursements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Total $</td>
<td>0</td>
<td>224,995</td>
<td>224,995</td>
<td>449,990</td>
<td>449,990</td>
</tr>
</tbody>
</table>
III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part I and Part IIIA

<table>
<thead>
<tr>
<th>Job Classification</th>
<th>Salary</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td><strong>Total FTEs</strong></td>
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<td>0.5</td>
<td>1.0</td>
<td>1.0</td>
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</tbody>
</table>

III. D - Expenditures By Program (optional)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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</thead>
<tbody>
<tr>
<td>Administrative Services - Information Technology (020)</td>
<td>224,995</td>
<td>224,995</td>
<td>449,990</td>
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<td><strong>Total $</strong></td>
<td>224,995</td>
<td>224,995</td>
<td>449,990</td>
<td>449,990</td>
<td></td>
</tr>
</tbody>
</table>

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

*Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods*

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required

Ransomware protection
Form FN (Rev 1/00)  173,574.00
FNS063 Individual State Agency Fiscal Note  3
The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2 identifies capacity impacts to Washington Department of Veterans Affairs (WDVA) for new data aggregation, classification, executing and reinforcing of data protections, and reporting accountability back to WaTech.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

Section 2, Subsection 3 requires WDVA to comply with the enterprise technology standards outlined in this bill to include reporting outcomes annually of the response and remediation of ransomware. WaTech is to provide training and education materials to be disseminated and applied at the state agency level.

WDVA assumes 0.2 FTE impact to accept and deliver training and education coordination for WDVA staff.

Section 2, Subsection 4 allows WDVA a waiver option based on written business justification when compliance is not permissible or able to be enacted within the required timeframes.

WDVA assumes 0.1 FTE impact to support the waiver documentation and process for security, data, and application compliance.

Section 2, Subsection 5 requires WDVA to execute and analyze monthly vulnerability scans and make the data available to the Cybersecurity office, WaTech, and the state auditor office upon request.

WDVA assumes a total of 0.6 FTE impact for this requirement: 0.2 FTE to support requests of data to authorized entities, 0.3 FTE to execute, analyze, and transform analysis of vulnerability scans into corrective actions, and 0.1 FTE to collect outcomes and completion of corrective actions.

Section 2, Subsection 6 requires WDVA to ensure all mission critical applications, business essential applications, and other applicable resources containing data requiring special handling to be protected as specified in Sections 1 and 2.

WDVA assumes 1 FTE impact to regularly assess and categorize prioritized mission critical and business essential applications, determine gaps, identify solutions, execute the changes, and determine where a waiver exception may be required. WDVA also assumes a $519,892 infrastructure impact across FYs 2024-2025, broken out as follows:

- Mission Critical Backup Servers (qty: 10, 10 TB each): $490,464
- EVCMS storage: $19,618
- Point Click Care contract: $9,810

Section 2, Subsection 7 requires WDVA to perform an assessment of all applications and resources containing data and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss.
WDVA assumes 0.6 FTE impact to meet this requirement.

Section 2, Subsection 9 requires WDVA to ensure all applications outlined in the bill that contain category 3 and 4 data are protected in accordance with the standards in RCW 43.105.054.

WDVA assumes 1 FTE impact to support data management activities in accordance with the RCW and to assess and define data classification categories supporting the prioritization of applications in Section 2, Subsection 7.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

<table>
<thead>
<tr>
<th>Account</th>
<th>Account Title</th>
<th>Type</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>001-1</td>
<td>General Fund</td>
<td>State</td>
<td>480,153</td>
<td>480,153</td>
<td>960,306</td>
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<tr>
<td></td>
<td></td>
<td>Total $</td>
<td>480,153</td>
<td>480,153</td>
<td>960,306</td>
<td>1,480,198</td>
<td>960,306</td>
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</table>

III. B - Expenditures by Object Or Purpose

<table>
<thead>
<tr>
<th></th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
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<tr>
<td>FTE Staff Years</td>
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<td>297,168</td>
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<td>594,336</td>
<td>594,336</td>
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<tr>
<td>B-Employee Benefits</td>
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<td>200,970</td>
<td>200,970</td>
<td>200,970</td>
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<tr>
<td>C-Professional Service Contracts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>E-Goods and Other Services</td>
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<td>6,300</td>
<td>12,600</td>
<td>532,492</td>
<td>12,600</td>
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<td>G-Travel</td>
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<td>8,400</td>
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<td>16,800</td>
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<tr>
<td>J-Capital Outlays</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M-Inter Agency/Fund Transfers</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N-Grants, Benefits &amp; Client Services</td>
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<td></td>
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<tr>
<td>P-Debt Service</td>
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<td></td>
</tr>
<tr>
<td>S-Interagency Reimbursements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T-Intra-Agency Reimbursements</td>
<td>67,800</td>
<td>67,800</td>
<td>135,600</td>
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<td>9-</td>
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<tr>
<td>Total $</td>
<td>480,153</td>
<td>480,153</td>
<td>960,306</td>
<td>1,480,198</td>
<td>960,306</td>
</tr>
</tbody>
</table>

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

<table>
<thead>
<tr>
<th>Job Classification</th>
<th>Salary</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>481D: IT SUPPORT TECHNICIAN 2</td>
<td>56,856</td>
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<td>1.0</td>
<td>1.0</td>
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<tr>
<td>482AD: IT APPLICATION DEVELOPMENT - ENTRY</td>
<td>90,120</td>
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<td>1.0</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>483DM: IT DATA MANAGEMENT - JOURNEY</td>
<td>101,748</td>
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<td>0.5</td>
<td>1.0</td>
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<tr>
<td>483S: IT SECURITY - JOURNEY</td>
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<td>0.3</td>
<td>0.5</td>
<td>0.5</td>
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<tr>
<td>Total FTEs</td>
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<td>1.8</td>
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<td></td>
</tr>
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</table>

III. D - Expenditures By Program (optional)

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
<th>2025-27</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVA Headquarters (010)</td>
<td>480,153</td>
<td>480,153</td>
<td>960,306</td>
<td>1,480,198</td>
<td>960,306</td>
</tr>
<tr>
<td>Total $</td>
<td>480,153</td>
<td>480,153</td>
<td>960,306</td>
<td>1,480,198</td>
<td>960,306</td>
</tr>
</tbody>
</table>

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
## Rollup/Setup

### Enter Preparer Name(s) Below:

| Name       | Troy Cerny |

### INSTRUCTIONS

- **funds/objects in balance:** YES
- **Fiscal Impact:** None
- **Rulemaking Impact:** Indeterminate
- **HB2044**
- **INSTRUCTIONS**

### Estimated Expenditure By Fund

<table>
<thead>
<tr>
<th>Fund#</th>
<th>Type</th>
<th>480,153</th>
<th>480,153</th>
<th>740,099</th>
<th>740,099</th>
<th>480,153</th>
<th>480,153</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>FY22</td>
<td>FY23</td>
<td>FY24</td>
<td>FY25</td>
<td>FY26</td>
<td>FY27</td>
</tr>
<tr>
<td>001</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
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<td>480,153</td>
<td>740,099</td>
<td>740,099</td>
<td>480,153</td>
<td>480,153</td>
</tr>
</tbody>
</table>

### Estimated Expenditure By Object

- **A - Salaries and Wages**
  - 001 0 297,168 297,168 297,168 297,168 297,168 297,168 297,168
- **B - Employee Benefits**
  - 001 0 100,485 100,485 100,485 100,485 100,485 100,485
- **C - Professional Service Contracts**
  - 001 0 0 0 0 0 0 0
- **E - Goods and Services**
  - 001 0 6,300 6,300 266,246 266,246 6,300 6,300
- **G - Travel**
  - 001 0 8,400 8,400 8,400 8,400 8,400 8,400
- **J - Capital Outlays (Equipment)**
  - 001 0 0 0 0 0 0 0
- **M - Inter-agency/Fund Transfers**
  - 001 0 0 0 0 0 0 0
- **N - Grants, Benefits & Client Services**
  - 001 0 0 0 0 0 0 0
- **P - Debt Service**
  - 001 0 0 0 0 0 0 0
- **S - Inter-agency Reimbursements**
  - 001 0 0 0 0 0 0 0
- **T - Intra-agency Reimbursements**
  - 001 0 67,800 67,800 67,800 67,800 67,800 67,800

### Expenditure All Programs

<table>
<thead>
<tr>
<th>Prog#</th>
<th>480,153</th>
<th>480,153</th>
<th>740,099</th>
<th>740,099</th>
<th>480,153</th>
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</thead>
<tbody>
<tr>
<td>010</td>
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<td>740,099</td>
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</table>

### FTE

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<tr>
<th>Annual Salary</th>
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<tbody>
<tr>
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<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
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<tr>
<td>IT Support Technician 2</td>
<td>56.856</td>
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<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
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<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>IT Security Journey</td>
<td>96.888</td>
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<td>0.50</td>
<td>0.50</td>
<td>0.50</td>
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<tr>
<td>IT Data Management Journey</td>
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### Standard Costs Subtotal

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<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
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<tr>
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<td>342,446</td>
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<td>Cash Receipts</td>
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<td>Type</td>
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<td>FY23</td>
<td>FY24</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Estimated Expenditure By Fund</th>
<th>Fund#</th>
<th>Type</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
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</thead>
<tbody>
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<td>General Fund State</td>
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</table>

<table>
<thead>
<tr>
<th>Estimated Expenditure By Object</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
<th>FY25</th>
<th>FY26</th>
<th>FY27</th>
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</thead>
<tbody>
<tr>
<td>B - Employee Benefits</td>
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<td>4,738</td>
<td>4,738</td>
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<td>C - Professional Service Contracts</td>
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<tr>
<td>E - Goods and Services</td>
<td>360</td>
<td>360</td>
<td>360</td>
<td>360</td>
<td>360</td>
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</tr>
<tr>
<td>G - Travel</td>
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<td>480</td>
<td>480</td>
<td>480</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>J - Capital Outlays (Equipment)</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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<td>M - Inter-agency/Fund Transfers</td>
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<td>0</td>
</tr>
<tr>
<td>N - Grants, Benefits &amp; Client Services</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>P - Debt Service</td>
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<td>T - intra-agency Reimbursements</td>
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<td>2,747</td>
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## Individual State Agency Fiscal Note

<table>
<thead>
<tr>
<th>Bill Number:</th>
<th>2044 HB</th>
<th>Title:</th>
<th>Ransomware protection</th>
<th>Agency:</th>
<th>307-Department of Children, Youth, and Families</th>
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### Part I: Estimates

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

NONE

**Estimated Capital Budget Impact:**

NONE

*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Renee Slaybaugh</td>
<td>Phone: 360-688-8714</td>
<td>Date: 01/28/2022</td>
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<td>Agency Approval:</td>
<td>Crystal Lester</td>
<td>Phone: 360-628-3960</td>
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<td>OFM Review:</td>
<td>Robyn Williams</td>
<td>Phone: (360) 704-0525</td>
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</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044 establishes protocols for handling ransomware attacks and providing training to employees to prevent such attacks. It requires that the Consolidated Technology Services agency design, develop, and implement enterprise technology standards specific to malware and ransomware protection, backup, and recovery, as well as develop prevention education for state employees. Agencies are required to comply with the enterprise technology standards implemented or receive a waiver. The bill also establishes data analysis and reporting related to the enterprise technology standards implemented.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

No fiscal impact. The Department of Children, Youth and Families (DCYF) assumes no fiscal impact from HB 2044.

Sec. 2(6) requires that all state agencies must ensure all mission critical applications, business essential applications, and other resources containing data that requires special handling (as defined in Office of Chief Information Officer (OCIO) policy) are protected to the maximum extent feasible. DCYF, Information Technology (IT), currently implements state requirements for handling ransomware. IT costs for implementing training is minimal.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE
IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
## Part I: Estimates

### No Fiscal Impact

#### Estimated Cash Receipts to:

NONE

#### Estimated Operating Expenditures from:

NONE

#### Estimated Capital Budget Impact:

NONE

---

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- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

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<tr>
<td>Agency Preparation:</td>
<td>Mary Sarate</td>
<td>Phone: (360) 696-6321</td>
<td>Date: 01/26/2022</td>
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<tr>
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<td>Mary Sarate</td>
<td>Phone: (360) 696-6321</td>
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<td>OFM Review:</td>
<td>Gaius Horton</td>
<td>Phone: (360) 819-3112</td>
<td>Date: 01/27/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

2044 HB relates to the protection of critical constituent and state operational data against the financial and personal harm caused by ransomware and other malicious cyber activities. Any training and reporting requirements will be absorbed by current staff. Fiscal impact would be if the office of cybersecurity, the office of the state chief information officer, and the office of the state auditor design, develop, and implement enterprise technology standards that would require additional resources.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE
Part V: New Rule Making Required
### Individual State Agency Fiscal Note

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<tr>
<th>Bill Number:</th>
<th>2044 HB</th>
<th>Title: Ransomware protection</th>
<th>Agency: 353-Washington State Center for Childhood Deafness and Hearing Loss</th>
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### Part I: Estimates

- **No Fiscal Impact**

#### Estimated Cash Receipts to:

NONE

#### Estimated Operating Expenditures from:

NONE

#### Estimated Capital Budget Impact:

NONE

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- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

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<td>Phone: (360) 819-3112</td>
<td>Date: 01/27/2022</td>
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II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

At this time CDHY can absorb any costs associated with training and reporting requirements. If additional resources are required, the agency might have a fiscal impact depending on the actual costs.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE
Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  
Title: Ransomware protection  
Agency: 354-Workforce Training and Education Coordinating Board

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  
Phone: 360-786-7383  
Date: 01/25/2022

Agency Preparation: Dave Pavelchek  
Phone: 360-709-4630  
Date: 01/28/2022

Agency Approval: Nova Gattman  
Phone: 360-709-4612  
Date: 01/28/2022

OFM Review: Ramona Nabors  
Phone: (360) 742-8948  
Date: 01/29/2022
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Sec 2 (1) Requires OCIO to develop and implement enterprise technology standards specific to malware and ransomware protection, backup, and recovery, and review them annually.

Sec 2 (3) Each state agency as defined pursuant to RCW 43.105.054 must comply with the new standards unless they obtain a waiver from CTS.

Sec 2 (5) Each state agency must execute and analyze monthly vulnerability scans, making data available to the office of cybersecurity, OCIO, and SAO upon request.

Sec 2 (6) Each state agency must ensure that all mission critical applications, business essential applications, and other resources containing data that requires special handling, as defined in enterprise technology standards, are protected to the maximum extent feasible.

Sec 2 (7) Each state agency must perform an assessment of all applications and resources containing data, and report to OCIO the sizing of managed data: to include identifying mission critical applications, business essential applications, and categorizing all data attributes, and provide to OCIO by September 1, 2022. Each state agency must develop a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss, and submit the list to OCIO by September 1, 2022.

Sec 2 (9) State agencies must ensure that all mission critical applications, business essential applications, and other resources containing category 3 and category 4 data are protected in accordance with enterprise technology standards.

Sec 2 (10) All mission critical and business essential information technology systems must be compliant with the provisions of this act and supported by immutable backups by December 31, 2025.

Sec 2 (11) OCIO shall modify existing portfolio reporting mechanisms to support the collection of relevant data necessary to baseline and monitor risk associated with malware and ransomware protections. OCIO shall use this data to analyze risk and to prioritize a list of mission critical applications that need additional protections, which may require additional investment by the legislature in future biennia.

Sec 3 Each technology project submitted for OCIO risk assessment must include an indication of the agency's intent to incorporate data backup and recovery for the purposes of data security and continuity of operations within the project scope. Technology budgets analyzed as part of gated funding must include discrete separate line items for backup and recovery services where applicable. Exit criteria for each applicable project must include confirmation of an immutable backup solution as well as a successful test of application and data recovery.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

NONE

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Ransomware protection
Form FN (Rev 1/00) 173,875.00
FNS063 Individual State Agency Fiscal Note 2

54-Workforce Training and Education Coordinating Boa
Request # FN008-1-1
Bill # 2044 HB
Indeterminate. For the reasons below, the Workforce Board is not able to estimate potential costs for implementation of this bill.

First-year impacts are expected to be small, requiring additional work on assessment and reporting to OCIO.

However, as new mandates become clearly defined, resource requirements will ramp up, particularly during the 18 months remaining until the deadline of Dec 25, 2025. Workforce Board has three major data contractors which are very likely to require renegotiation and price increases.

Mandated security measures will likely become more detailed and sophisticated as privacy and security issues and challenges evolve rapidly. It is not possible to make an estimate of the costs with any accuracy for the next biennium or beyond, even to the extent of confidence that the annual cost will not exceed $50,000 for contracted services and staff.

The required frequency of immutable backups will have a significant effect on the eventual costs.

**Part III: Expenditure Detail**

**III. A - Operating Budget Expenditures**

| Non-zero but indeterminate cost and/or savings. Please see discussion. |

**III. B - Expenditures by Object Or Purpose**

| Non-zero but indeterminate cost and/or savings. Please see discussion. |

**III. C - Operating FTE Detail:** List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

**III. D - Expenditures By Program (optional)**

NONE

**Part IV: Capital Budget Impact**

**IV. A - Capital Budget Expenditures**

NONE

**IV. B - Expenditures by Object Or Purpose**

NONE

**IV. C - Capital Budget Breakout**

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

**IV. D - Capital FTE Detail:** List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

**Part V: New Rule Making Required**
Individual State Agency Fiscal Note

Bill Number: 2044 HB  
Title: Ransomware protection  
Agency: 355-Department of Archaeology and Historic Preservation

Part I: Estimates

X No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
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☐ Capital budget impact, complete Part IV.
☐ Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Diann Lewallen</td>
<td>Phone: 360-407-8121</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>Agency Approval:</td>
<td>Diann Lewallen</td>
<td>Phone: 360-407-8121</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>OFM Review:</td>
<td>Cheri Keller</td>
<td>Phone: (360) 584-2207</td>
<td>Date: 01/28/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2 (3) requires state agencies to comply with enterprise technology standards established by Consolidated Technology Services unless they receive a waiver.

Section 2 (6) Requires agencies to ensure the maximum feasible level of protection for mission critical applications, business essential applications, and other resources containing data that requires special handling.

Section 2 (7) Requires agencies to perform an assessment of all their applications and resources containing data and report specific information to the Office of the State Chief Information Officer (OCIO). They must also submit a prioritized list of applications based on mission criticality and impact to constituents to the office by September 1, 2022.

Section 2 (9) Requires agencies to ensure systems containing level 3 and level 4 data are protected in accordance with enterprise technology standards.

Section 2 (9) Requires agencies to report relevant information through existing Information Technology Portfolio reporting mechanisms.

Consolidated Technology Services (CTS) provides IT support to the Department of Archaeology and Historic Preservation (DAHP). CTS would assist DAHP in complying with the reporting needed and any changes in policy established by the OCIO. There is minor workload required to coordinate with CTS during the implementation. The anticipated workload closely aligns with current Information Technology coordination and would not require additional resources for the agency.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE
Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
   NONE

IV. B - Expenditures by Object Or Purpose
   NONE

IV. C - Capital Budget Breakout
   Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
   NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
   NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 360-University of Washington

Part I: Estimates

☒ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

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☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact: Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Preparation: Kelsey Rote</td>
<td>Phone: 2065437466</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>Agency Approval: Kelsey Rote</td>
<td>Phone: 2065437466</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>OFM Review: Ramona Nabors</td>
<td>Phone: (360) 742-8948</td>
<td>Date: 01/29/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044 relates to the protection of critical data from ransomware and malware threats. It requires state agencies to identify "mission critical applications, business essential applications", implement technology standards to protect those assets "to the maximum extent feasible", ensure they are “supported by immutable backups”, and perform "monthly vulnerability scans".

The bill contains an exemption for higher education.

If the higher education exemption is maintained, the University may still be required to show through external audit (every three years) that it meets the intention of the bill. This will require UW-IT senior leadership support, as well as prioritized time and effort from the Office of the CISO and UW-IT Service Owners/Service Managers. No additional FTEs are expected, and this work could be absorbed within existing resources. If the exemption for higher education were removed, there would be additional and significant staffing and backup related costs.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

Ransomware protection
Form FN (Rev 1/00) 173,918.00
FNS063 Individual State Agency Fiscal Note 2

360-University of Washington
Request # 2022-62-1
Bill # 2044 HB
IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 370-Eastern Washington University

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

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</table>

Estimated Capital Budget Impact:

NONE

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☐ Capital budget impact, complete Part IV.
☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: Alexandra Rosebrook  Phone: (509) 359-7364  Date: 01/28/2022
Agency Approval: Alexandra Rosebrook  Phone: (509) 359-7364  Date: 01/28/2022
OFM Review: Ramona Nabors  Phone: (360) 742-8948  Date: 01/29/2022

Form FN (Rev 1/00)  173,396.00  Request #  22-36-1
FNS063 Individual State Agency Fiscal Note 1  Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Proposed HB 2044 amends RCW 43.105 and adds a new section to RCW 43.105.

New Section 1 Washington state governments manage and protect highly sensitive data. The legislature recognizes that action must be taken at each state agency to ensure data backup and disaster recovery practices are consistent with enterprise technology standards and is aware that additional investments in technology, training and personnel will be needed.

New Section 2 added to RCW 43.105 state chief information officer (consolidated technology services agency) shall design, develop and implement enterprise technology standards specific to malware and ransomware protection, backup and recovery, as well as prevention education for state employees. (13) states that the requirement in this section does not apply to institutions of higher education.

New Section 3 added to RCW 43.105 Ransomware protection, data security and continuity of operations are considered critical success factors of state managed technology projects.

New Section 4 added to RCW 43.105 creates the information technology security account.

New Section 5 added to RCW 42.56 The reports and information compiled pursuant to section 2 (7) and (8) are confidential and may not be disclosed.

Section 6 definitions are amended to define “Immutable”, “Malicious cyber activities” and “Ransomware”.

Section 7 amends RCW 43.105.054 (2)(j) To design, develop and implement enterprise technology standards specific to malware and ransomware protection, backup and recovery.

Section 8 amends RCW 43.105.220 (3)(a) By December 31, 2024, the office shall initiate a biennial report to the legislature, governor and technology services board sharing information garnered from the agency reports that include the information listed. (b) The additional reporting requirements are not subject to public disclosure under RCW 42.56.

New Section 9 added to RCW 43.105 requires the office to apply for any federal grants or other financial assistance programs that meet the purposes of this act.

New Section 10 The sum of $5,000,000 or as much thereof as may be necessary, is appropriated for the fiscal year ending June 30, 2023 from the general fund to the information technology security account.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Section 3 requires each applicable project must include confirmation of an immutable backup solution as well as a successful test of application and data recovery.

Ransomware protection
Form FN (Rev 1/00) 173,396.00
FNS063 Individual State Agency Fiscal Note

370-Eastern Washington University
Request # 22-36-1
Bill # 2044 HB
Eastern would need to add additional backup services to most of our SaaS applications, including Banner, Office 365, Google, and IaaS and on-premises servers. We currently maintain backups but not indefinite immutable backups. Eastern anticipates the cost for Storage, Service and/or software for performing backups and data in/out costs to be approximately $100,000 per year.

### Part III: Expenditure Detail

#### III. A - Operating Budget Expenditures

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<th>Account</th>
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#### III. B - Expenditures by Object Or Purpose

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<td>B-Employee Benefits</td>
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<td>C-Professional Service Contracts</td>
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<td>E-Goods and Other Services</td>
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<td>G-Travel</td>
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<td>J-Capital Outlays</td>
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<td>S-Interagency Reimbursements</td>
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</table>

#### III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA.

NONE

#### III. D - Expenditures By Program (optional)

NONE

### Part IV: Capital Budget Impact

#### IV. A - Capital Budget Expenditures

NONE

#### IV. B - Expenditures by Object Or Purpose

NONE

#### IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods.

NONE

#### IV. D - Capital FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB.

NONE
Part V: New Rule Making Required
Individual State Agency Fiscal Note

| Bill Number: 2044 HB | Title: Ransomware protection | Agency: 375-Central Washington University |

**Part I: Estimates**

- [x] No Fiscal Impact

**Estimated Cash Receipts to:**

- NONE

**Estimated Operating Expenditures from:**

- NONE

**Estimated Capital Budget Impact:**

- NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

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- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

| Legislative Contact: Desiree Omli | Phone: 360-786-7383 | Date: 01/25/2022 |
| Agency Preparation: Erin Sargent | Phone: 509-963-2395 | Date: 01/28/2022 |
| Agency Approval: Lisa Plesha | Phone: (509) 963-1233 | Date: 01/28/2022 |
| OFM Review: Ramona Nabors | Phone: (360) 742-8948 | Date: 01/29/2022 |

Form FN (Rev 1/00) 173,804.00  
FNS063 Individual State Agency Fiscal Note 1  
Request # HB 2044-1  
Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 1: New Section – The legislature recognizes the need for each state agency to take action to ensure data backup and disaster recovery practices are up to standards and are aware that additional investments in technology, training, and personnel will be needed.

Section 2: New Section - (13) This section does not apply to higher education.

Section 3: New Section - Each technology project submitted for risk assessment by the office must include an indication of the agency's intent to incorporate data backup and recovery for the purposes of data security and continuity of operations within the project scope. Technology budgets analyzed as part of gated funding must include discreet separate line items for backup and recovery services where applicable. Exit criteria for each applicable project must include confirmation of an immutable backup solution as well as a successful test of application and data recovery.

Section 4: New Section – Establishes the Information Technology Security Account.

Section 5: New Section – Nondisclosure of reports compiled pursuant to section 2.

Section 6: Amended Section – Adds definitions for “immutable”, “malicious cyber activities”, and “ransomware”.

Section 7: Amended Section – Adds the design, development, and implementation of standards specific to malware and ransomware protection, backup, and recovery to the duties of the office.

Section 8: Amended Section – Reporting requirements of the office.

Section 9: New Section – Adds requirements to the office regarding grants and other federal revenues.

Section 10: New Section – Appropriates $5,000,000 from the general fund to the Information Technology Security Account.

Section 11: New Section – The act may be known as the Washington State Ransomware Protection Act.

Since section 2 (13) excludes institutions of higher education, and nothing else in the bill that pertains to CWU would require additional effort, we conclude there is no fiscal impact.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE
Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 380-Western Washington University

Part I: Estimates

☒ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

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☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

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<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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<tr>
<td>Agency Preparation:</td>
<td>Kimberley Ayre</td>
<td>Phone: 3606503377</td>
<td>Date: 01/27/2022</td>
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<td>Agency Approval:</td>
<td>Faye Gallant</td>
<td>Phone: 3606504762</td>
<td>Date: 01/27/2022</td>
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<td>OFM Review:</td>
<td>Ramona Nabors</td>
<td>Phone: (360) 742-8948</td>
<td>Date: 01/29/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044 establishes a new initiative for Consolidated Technical Services to develop and implement enterprise technology standards specific to malware and ransomware protection with new biannual reporting requirements. The new reporting requirements include information gathered from agencies about our enterprise applications and number of "immutable backups" associated with the systems.

WWU already provides an annual listing of mission critical, business essential, Category 3 and 4 data applications to the State OCIO as part of their IT attestation and reporting conducted each fall. While the current report does not include the number of "immutable backups" as required by this bill, the additional information could be reported with minimal additional effort.

No anticipated fiscal impact to WWU.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

No impact to cash receipts.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

No anticipated fiscal impacts.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
### Part I: Estimates

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<td>Estimated Capital Budget Impact:</td>
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*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:
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- [ ] If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

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<td>Legislative Contact</td>
<td>Desiree Omli</td>
<td>360-786-7383</td>
<td>01/25/2022</td>
</tr>
<tr>
<td>Agency Preparation</td>
<td>Deane Shellman</td>
<td>3606221743</td>
<td>01/27/2022</td>
</tr>
<tr>
<td>Agency Approval</td>
<td>Karen Hanan</td>
<td>360-586-2423</td>
<td>01/27/2022</td>
</tr>
<tr>
<td>OFM Review</td>
<td>Cheri Keller</td>
<td>(360) 584-2207</td>
<td>01/28/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2 (3) requires state agencies to comply with enterprise technology standards established by Consolidated Technology Services unless they receive a waiver.

Section 2 (6) requires agencies to ensure the maximum feasible level of protection for mission critical applications, business essential applications, and other resources containing data that requires special handling.

Section 2 (7) requires agencies to perform an assessment of all their applications and resources containing data and report specific information to the Office of the State Chief Information Officer (OCIO). They must also submit a prioritized list of applications based on mission criticality and impact to constituents to the office by September 1, 2022.

Section 2 (9) requires agencies to ensure systems containing level 3 and level 4 data are protected in accordance with enterprise technology standards.

Section 2 (9) requires agencies to report relevant information through existing Information Technology Portfolio reporting mechanisms.

Consolidated Technology Services (CTS) provides IT support to the Washington Arts Commission (ARTS). CTS would assist ARTS in complying with the reporting needed and any changes in policy established by the OCIO. The minor workload required to coordinate with CTS during the implementation is estimated at less than 30 hours during FY2023. The anticipated workload closely aligns with current Information Technology coordination and would not require additional resources for the agency. Rather, this bill would shift our IT priorities to implementation of the policies required by the bill.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Ransomware protection
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FNS063 Individual State Agency Fiscal Note

387-Washington State Arts Commission
Request # 22-06-1
Bill # 2044 HB
Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
   NONE

IV. B - Expenditures by Object Or Purpose
   NONE

IV. C - Capital Budget Breakout
   Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
   NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
   NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 390-Washington State Historical Society

Part I: Estimates

☐ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

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Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

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☒ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: Teresa Mattson  Phone: (360) 798-5906  Date: 01/27/2022
Agency Approval: Jennifer Kilmer  Phone: 253-798-5900  Date: 01/27/2022
OFM Review: Cheri Keller  Phone: (360) 584-2207  Date: 01/27/2022

Form FN (Rev 1/00)  173,610.00  Request #  390-22-009-2
FNS063 Individual State Agency Fiscal Note  1  Bill # 2044 HB
Section 2.5 requires monthly vulnerability scans that are not currently conducted by BlackPoint or another provider, and this is not currently included as part of the managed service agreement between BlackPoint and Washington State Historical Society. As such, we would anticipate that additional labor will be required to meet this requirement. We are unable to give an accurate budgetary estimate without prior knowledge of the scope of these scans. However, we have tools in place that should facilitate this effort and we do not anticipate that excessive monthly labor will be required. Alternatively, we may rely on the toolset offered by CTS after evaluation.

Section 2.7a requires assessment of all applications with categorization or all data attributes that Blackpoint will require WSHS staff to perform/assist in determining appropriate categories.

Labor from staff would be required to determine how to categorize the data and as host of our cloud environment Blackpoint would be needed to scan/pull the data monthly.

For the purposes of this note, we will estimate 5 hours of staff time per month and 5 hours of contractor time per month to comply with requirements as they are defined and put forth.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

BlackPoint IT Services hosts Washington State Historical Society’s server infrastructure in our colocation in Kent, Washington including the fileserver as well as key applications. The current environment is configured to comply with NIST standards, and we do not anticipate significant monetary investment will be required to comply with upcoming cybersecurity standards as they are developed and put forth by “the Office”.

Monthly vulnerability scans (2.5) are not currently conducted by BlackPoint or another provider, and this is not currently included as part of the managed service agreement between BlackPoint and Washington State Historical Society. As such, we would anticipate that additional labor will be required to meet this requirement. We are unable to give an accurate budgetary estimate without prior knowledge of the scope of these scans. However, we have tools in place that should facilitate this effort and we do not anticipate that excessive monthly labor will be required. Alternatively, we may rely on the toolset offered by CTS after evaluation.

For the purposes of this note, we will estimate 5 hours of staff time per month and 5 hours of contractor time per month to comply with requirements as they are defined and put forth.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

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<td><strong>Total $</strong></td>
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Ransomware protection
Form FN (Rev 1/00) 173,610.00
FNS063 Individual State Agency Fiscal Note
### III. B - Expenditures by Object Or Purpose

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<td>21,860</td>
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<td>21,860</td>
</tr>
</tbody>
</table>

### III. C - Operating FTE Detail:
List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA.

NONE

### III. D - Expenditures By Program (optional)
NONE

### Part IV: Capital Budget Impact

#### IV. A - Capital Budget Expenditures
NONE

#### IV. B - Expenditures by Object Or Purpose
NONE

#### IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods.
NONE

#### IV. D - Capital FTE Detail:
List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB.
NONE

### Part V: New Rule Making Required

Ransomware protection
Form FN (Rev 1/00) 173,610.00
FNS063 Individual State Agency Fiscal Note
The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

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☐ Capital budget impact, complete Part IV.
☐ Requires new rule making, complete Part V.
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044, the Washington state ransomware protection act, relates to the protection of private personal information and state operational data against ransomware and other malicious cyber activities.

Specific to state agencies including the Eastern Washington State Historical Society (EWSHS) are the following sections:

Section 2(4) allows for waivers for certain enterprise technology policies. EWSHS does not anticipate requesting waivers in meeting the requirements developed from this bill.

Section 2(5) allows agencies to use CTS-provided tools or an existing solution when conducting monthly vulnerability scans. EWSHS utilizes a private vendor for management of IT systems, depending on the exact requirements for vulnerability scanning, this legislation could result in additional costs from this vendor. Until those specification are know this remains an indeterminate cost.

Section 2(7) sets forth requirements for agencies to submit annual application inventories to include consideration of data storage size, quantity of system records, and meeting business criticality as defined by OCIO standard 112.10. EWSHS received data management and back-up services from a private vendor. There may be a fiscal impact to the agency if the new CTS guidelines resulting from this bill force EWSHS to amend their existing data contract or seek out a different vendor. Until such guidelines are published this remains an indeterminate cost.

Section 3 requires agencies, when making a technology project request, to ensure that the risk assessment includes a line item to identify the incorporation of data backup and recovery for the purposes of data security. EWSHS does not plan on making any IT project requests in the near future, so no impact is anticipated.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

It is difficult to determine the exact impact of this legislation until CTS has published clear guidelines regarding vulnerability scan, inventory requirements, and data storage/management. It is possible EWSHS may have make changes to their manage IT services in order to satisfy the requirements of this legislation. Fiscal impact could range from $0 to $2500 each fiscal year in additional IT services costs.

Additionally, there may be one-time costs if the agency has to reconfigure or replace existing systems. One-time costs could range from $0 to $20,000.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. B - Expenditures by Object Or Purpose

Non-zero but indeterminate cost and/or savings. Please see discussion.
III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part I and Part IIIA
NONE

III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
**Individual State Agency Fiscal Note**

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**Part I: Estimates**

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

NONE

**Estimated Capital Budget Impact:**

NONE

---

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- Requires new rule making, complete Part V.

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<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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<tr>
<td>Agency Preparation:</td>
<td>Drew Woods</td>
<td>Phone: 360-753-5989</td>
<td>Date: 01/26/2022</td>
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<td>Agency Approval:</td>
<td>Drew Woods</td>
<td>Phone: 360-753-5989</td>
<td>Date: 01/26/2022</td>
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<td>OFM Review:</td>
<td>Ruth Roberson</td>
<td>Phone: (360) 995-3826</td>
<td>Date: 01/26/2022</td>
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Form FN (Rev 1/00) 173,438.00  | Request # 22-004-1 |
FNS063 Individual State Agency Fiscal Note  | Bill # 2044 HB |
Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
### Part I: Estimates

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

NONE

**Estimated Capital Budget Impact:**

NONE

---

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- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

| Legislative Contact: Desiree Omli | Phone: 360-786-7383 | Date: 01/25/2022 |
| Agency Preparation: Paul Bitar | Phone: 360-407-8129 | Date: 01/28/2022 |
| Agency Approval: Paul Bitar | Phone: 360-407-8129 | Date: 01/28/2022 |
| OFM Review: Ruth Roberson | Phone: (360) 995-3826 | Date: 01/31/2022 |
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This bill would add requirements aimed at protecting data stored on state agency information technology (IT) systems.

Section 2(5) would require agencies to perform monthly vulnerability scans of their IT systems. TIB would use the enterprise tools offered by CTS to fulfill this requirement.

Section 2(6) would require critical/essential applications to be protected to the maximum extent possible. TIB anticipates that its use of WaTech services would bring the agency into compliance with this section. TIB is part of the WaTech M365 Shared Tenant, so costs are included in WaTech’s fiscal note. TIB does not expect costs associated with backing up its data, because the agency is currently in the middle of a “Move to the Cloud” project and will use WaTech's backup services. The initial backups of the servers have been completed for TIBWEB and TIBAPP (TIBFLOLY01 is stage 2) and will be moved within about one week. These steps will bring TIB into compliance with Section 2 (6) prior to the effective date of the bill.

Section 2(7) would require agencies to perform an assessment of critical/essential applications and submit a report to the OCIO by September 1, 2022. TIB has a limited number of critical applications and does not expect this requirement to have a significant impact to staff.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE
IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
Individual State Agency Fiscal Note

Bill Number: 2044 HB  Title: Ransomware protection  Agency: 410-Transportation Commission

Part I: Estimates

☒ No Fiscal Impact

Estimated Cash Receipts to:

NONE

Estimated Operating Expenditures from:

NONE

Estimated Capital Budget Impact:

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

☐ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.

☐ If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).

☐ Capital budget impact, complete Part IV.

☐ Requires new rule making, complete Part V.

Legislative Contact: Desiree Omli  Phone: 360-786-7383  Date: 01/25/2022
Agency Preparation: Carl See  Phone: 360-705-7934  Date: 01/27/2022
Agency Approval: Reema Griffith  Phone: 360-705-7070  Date: 01/27/2022
OFM Review: Ruth Roberson  Phone: (360) 995-3826  Date: 01/27/2022

Form FN (Rev 1/00) 173,569.00  Request # 22-004-1
FNS063 Individual State Agency Fiscal Note 1  Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044 directs Consolidated Technology Services (CTS) to adopt enhanced enterprise technology standards to specifically address malware and ransomware protection.

Each state agency is required to comply with enterprise technology standards related to malware and ransomware protection or receive a waiver from compliance. Each state agency must conduct monthly vulnerability scans and ensure that all mission critical applications are protected to the maximum extent feasible. State agencies are further required to assess all applications and resources containing data and report the sizing and prioritization of managed data in the event of system failure or data loss.

This bill has no fiscal impact for the WSTC because the agency information technology services are provided by WSDOT. Requirements in this bill for compliance with malware and ransomware technology standards, vulnerability scans, and assessment and prioritization of managed data do not impact WSTC costs.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

NONE

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

NONE

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE
IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail:  List FTEs by classification and corresponding annual compensation.  Totals need to agree with total FTEs in Part IVB

NONE

NONE

Part V: New Rule Making Required
**Individual State Agency Fiscal Note**

<table>
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<tr>
<th>Bill Number:</th>
<th>2044 HB</th>
<th>Title:</th>
<th>Ransomware protection</th>
<th>Agency:</th>
<th>411-Freight Mobility Strategic Investment Board</th>
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**Part I: Estimates**

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

- **NONE**

**Estimated Operating Expenditures from:**

- **NONE**

**Estimated Capital Budget Impact:**

- **NONE**

*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

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- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Brian Ziegler</td>
<td>Phone: (360) 586-9695</td>
<td>Date: 01/26/2022</td>
</tr>
<tr>
<td>Agency Approval:</td>
<td>Doug Clouse</td>
<td>Phone: 360-705-7535</td>
<td>Date: 01/26/2022</td>
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<tr>
<td>OFM Review:</td>
<td>Erik Hansen</td>
<td>Phone: (360) 810-0883</td>
<td>Date: 01/26/2022</td>
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Form FN (Rev 1/00) 173,372.00
Request # 22-003-1
FNS063 Individual State Agency Fiscal Note 1
Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2 requires state agencies to execute and analyze monthly vulnerability scans, ensure all mission critical applications be protected to the maximum extent feasible, and perform an assessment of all applications and resources containing data. Section 2 also contains reporting requirements associated with the above activities.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

There is no fiscal impact to the Freight Mobility Strategic Investment Board (FMSIB). FMSIB relies on the Washington State Department of Transportation (WSDOT) for all information technology systems, so WSDOT's fiscal note in response to this legislation will include FMSIB's obligations as well.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:

List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE
IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

Part V: New Rule Making Required
### Individual State Agency Fiscal Note

**Bill Number:** 2044 HB  
**Title:** Ransomware protection  
**Agency:** 460-Columbia River Gorge Commission

### Part I: Estimates

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

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<tr>
<th>Account</th>
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<th>2021-23</th>
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<td>12,250</td>
<td>24,500</td>
<td>36,750</td>
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<td>49,000</td>
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<tr>
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<td>24,500</td>
<td>36,750</td>
<td>49,000</td>
<td>49,000</td>
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<td>Total $</td>
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<td>73,500</td>
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In addition to the estimates above, there are additional indeterminate costs and/or savings. Please see discussion.

**Estimated Capital Budget Impact:**

NONE

---

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- □ If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
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- □ Capital budget impact, complete Part IV.
- □ Requires new rule making, complete Part V.

---

**Legislative Contact:** Desiree Omli  
**Phone:** 360-786-7383  
**Date:** 01/25/2022

**Agency Preparation:** Connie Acker  
**Phone:** (509) 493-3323  
**Date:** 01/28/2022

**Agency Approval:** Connie Acker  
**Phone:** (509) 493-3323  
**Date:** 01/28/2022

**OFM Review:** Lisa Borkowski  
**Phone:** (360) 742-2239  
**Date:** 01/31/2022

---

Form FN (Rev 1/00) 173,762.00  
FNS063 Individual State Agency Fiscal Note 1  
Request # 2022 - 05-1  
Bill # 2044 HB
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2: Requires agencies to comply with new technology standards related to ransomware and backups, execute and analyze monthly vulnerability scans, and perform an assessment of all applications currently used.

Section 3: Requires agencies to incorporate data backup and recovery plans into each technology project submitted for risk assessment.

The Columbia River Gorge Commission currently has 9 FTE with no in-house IT staff. All IT support is contracted. We are unsure what range of costs could stem from the policy impact and what it would take to assess our current systems, as well as any potential additional costs to perform the monthly scans and perform the assessment of current applications. Some of the standards to be established under this bill may fall within the scope of the agency’s existing IT contract but without additional, more specific information and time to calculate these costs, it is impossible to determine, at this time, the exact cost to the agency.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

<table>
<thead>
<tr>
<th>Account</th>
<th>Account Title</th>
<th>Type</th>
<th>FY 2022</th>
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<td>001-1</td>
<td>General Fund</td>
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<td>24,500</td>
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<td>49,000</td>
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<td>001-7</td>
<td>General Fund</td>
<td>Private/Local</td>
<td>12,250</td>
<td>24,500</td>
<td>36,750</td>
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<tr>
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<td>Total $</td>
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<td>24,500</td>
<td>49,000</td>
<td>73,500</td>
<td>98,000</td>
<td>98,000</td>
</tr>
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</table>

In addition to the estimates above, there are additional indeterminate costs and/or savings. Please see discussion.

III. B - Expenditures by Object Or Purpose

<table>
<thead>
<tr>
<th>FY 2022</th>
<th>FY 2023</th>
<th>2021-23</th>
<th>2023-25</th>
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<tr>
<td>FTE Staff Years</td>
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<td></td>
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<tr>
<td>A-Salaries and Wages</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B-Employee Benefits</td>
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<td>25,000</td>
<td>37,500</td>
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<td>C-Professional Service Contracts</td>
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<td>D-Goods and Other Services</td>
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<td>G-Travel</td>
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<td></td>
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<tr>
<td>J-Capital Outlays</td>
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<tr>
<td>M-Inter Agency/Fund Transfers</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>N-Grants, Benefits &amp; Client Services</td>
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<td></td>
<td></td>
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<tr>
<td>P-Debt Service</td>
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<td></td>
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<tr>
<td>S-Interagency Reimbursements</td>
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<td></td>
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<td>T-Intra-Agency Reimbursements</td>
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<td></td>
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<td>9-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total $</td>
<td>24,500</td>
<td>49,000</td>
<td>73,500</td>
<td>98,000</td>
</tr>
</tbody>
</table>
In addition to the estimates above, there are additional indeterminate costs and/or savings. Please see discussion.

III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA
NONE

III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
# Individual State Agency Fiscal Note

<table>
<thead>
<tr>
<th>Bill Number:</th>
<th>2044 HB</th>
<th>Title:</th>
<th>Ransomware protection</th>
<th>Agency:</th>
<th>462-Pollution Liability Insurance Program</th>
</tr>
</thead>
</table>

## Part I: Estimates

- No Fiscal Impact

### Estimated Cash Receipts to:

NONE

### Estimated Operating Expenditures from:

Non-zero but indeterminate cost and/or savings. Please see discussion.

### Estimated Capital Budget Impact:

NONE

---

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

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- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Phi Ly</td>
<td>Phone: 360-407-0517</td>
<td>Date: 01/27/2022</td>
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<tr>
<td>Agency Approval:</td>
<td>Cassandra Garcia</td>
<td>Phone: 360-407-0520</td>
<td>Date: 01/27/2022</td>
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<tr>
<td>OFM Review:</td>
<td>Lisa Borkowski</td>
<td>Phone: (360) 742-2239</td>
<td>Date: 01/31/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

HB 2044, the Washington state ransomware protection act, relates to the protection of private personal information and state operational data against ransomware and other malicious cyber activities. Specific to state agencies including the Pollution Liability Insurance Agency (PLIA) are the following sections.

Section 2(4) allows for waivers for certain enterprise technology policies. PLIA does not anticipate requesting waivers in meeting the requirements developed from this bill.

Section 2(5) allows PLIA to use CTS-provided tools or an existing solution when conducting monthly vulnerability scans.

Section 2(7) sets forth the requirements of the agency's annual application inventory submission which needs to include consideration of data storage size, quantity of system records, and meeting business criticality as defined by OCIO standard 112.10.

PLIA is part of the M365 shared tenant administered by WaTech, but contracts with a private vendor for desktop support services. PLIA anticipates indeterminate costs in paying for an outside contractor to assist PLIA with assessment of inventory submission. To meet the requirements of immutable backups PLIA anticipates further indeterminate costs because the agency will need to purchase additional services to meet the backup requirements. PLIA's data are currently maintained in a Software as a Service (SaaS) solution that is not likely to meet the specific backup requirements.

Section 3: When making a technology project request, PLIA will ensure that the risk assessment includes a line item to identify the incorporation of data backup and recovery for the purposes of data security.

II. B - Cash Receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

PLIA anticipates some indeterminate costs associated with these requirements, but costs should be less than $50,000 per fiscal year and will be limited to any necessary system configurations. PLIA utilizes a contracted data system that complies with the OCIO's current technological and security standards.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

| Non-zero but indeterminate cost and/or savings. Please see discussion. |

III. B - Expenditures by Object Or Purpose

| Non-zero but indeterminate cost and/or savings. Please see discussion. |

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

Ransomware protection

Form FN (Rev 1/00) 173,424.00
462-Pollution Liability Insurance Program
Request # 2044HB-1
FNS063 Individual State Agency Fiscal Note 2
Bill # 2044 HB
III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact
IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout
Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required
## Individual State Agency Fiscal Note

| Bill Number: | 2044 HB | Title: | Ransomware protection | Agency: | 465-State Parks and Recreation Commission |

### Part I: Estimates

- **No Fiscal Impact**

#### Estimated Cash Receipts to:

- NONE

#### Estimated Operating Expenditures from:

- Non-zero but indeterminate cost and/or savings. Please see discussion.

#### Estimated Capital Budget Impact:

- NONE

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- Capital budget impact, complete Part IV.
- X Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Harley Graves</td>
<td>Phone: (360) 902-8586</td>
<td>Date: 01/28/2022</td>
</tr>
<tr>
<td>Agency Approval:</td>
<td>Kimberly Marshall</td>
<td>Phone: (360) 902-8621</td>
<td>Date: 01/28/2022</td>
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<tr>
<td>OFM Review:</td>
<td>Jim Cahill</td>
<td>Phone: (360) 790-2630</td>
<td>Date: 01/28/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

This bill proposes a new section be added to 43.105 RCW relating to protection of critical constituent and state operational data against the financial and personal harm caused by ransomware and other malicious cyber activities.

The bill provisions Consolidated Technology Services (CTS) as the lead agency to develop and implement standards and practices specific to malware and ransomware protection, backup and recovery. Agencies are to comply with those standards, develop internal policies, conduct monthly vulnerability scans on systems, and provision/procure immutable data backup solutions for mission critical and business essential systems or those requiring special handling.

While high impacts are apparent for compliance, State Parks has some resources with a budget to hire a Chief Information Security Officer (CISO) whose defined job duties include some compliance steps outlined in this bill. IT staff can assist with the inventory and software scanning requirements (with existing tools). However, the highest impact to the agency is the requirement for immutable (data that is stored unchanged over time or unable to be changed) backups of data.

Current systems and vendor Software as a Service (SaaS) or vendor hosted services would need to make data backups immutable. Contracts would need to be reassessed and likely amended if vendors are agreeable to perform the work and allocate resources to stand up immutable backups. If agreements cannot be reached, then third-party backup services must be procured, and data ported from current vendor systems to the third-party management services. The same would apply for future system acquisitions and those currently in review.

Therefore, this legislation would result in fiscal impact to State Parks for compliance to the requirements for immutable backups of data.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

NONE

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

There are unknown financial variables about the scope of contract renegotiations, vendor costs and redirected costs for the management of immutable data backups to third-party providers if our software vendors are not agreeable to perform the work.

The costs associated with immutable backups is “indeterminant” with an estimate of between $18,300 and $30,000 per fiscal year.

Standard rule-making costs resulting from the bill, in the amount of $4,000, include costs for postage and mailings, staff time, Attorney General Consultation and amendments to contracts for updated policies.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures
III. B - Expenditures by Object Or Purpose

Non-zero but indeterminate cost and/or savings. Please see discussion.

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA
NONE

III. D - Expenditures By Program (optional)
NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures
NONE

IV. B - Expenditures by Object Or Purpose
NONE

IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
NONE

Part V: New Rule Making Required

Identify provisions of the measure that require the agency to adopt new administrative rules or repeal/revise existing rules.

As with similarly written legislation, Parks may be required to create new internal policies to align with the new OCIO standards, policies and procedures.
**Part I: Estimates**

- **No Fiscal Impact**

**Estimated Cash Receipts to:**

NONE

**Estimated Operating Expenditures from:**

NONE

**Estimated Capital Budget Impact:**

NONE

The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.

Check applicable boxes and follow corresponding instructions:

- If fiscal impact is greater than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete entire fiscal note form Parts I-V.
- If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- Capital budget impact, complete Part IV.
- Requires new rule making, complete Part V.

<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
</tr>
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<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Mark Jarasitis</td>
<td>Phone: 360-902-3006</td>
<td>Date: 01/26/2022</td>
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<tr>
<td>Agency Approval:</td>
<td>Brock Millierin</td>
<td>Phone: 360-789-4563</td>
<td>Date: 01/26/2022</td>
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<td>OFM Review:</td>
<td>Jim Cahill</td>
<td>Phone: (360) 790-2630</td>
<td>Date: 01/28/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

With the exception of Information Technology security and Human Resources in Department of Enterprise Services systems, the Recreation and Conservation Office (RCO) does not have data that is Category 3 – confidential, or Category 4 – confidential requiring special handling procedures. Most of our data is Category 1 – public information, freely available from the RCO PROject Information SysteM (PRISM). The remaining data/information is Category 2 – sensitive (government decision-making), but still available through public records request.

RCO currently provides inventories of all applications/software and infrastructure/hardware annually to Office of the Chief Information Officer (OCIO). Internally, we prioritize these inventories for protection and recovery based on application/data owners feedback.

RCO currently has an immutable backup system, and Microsoft M365 and Box systems are likewise backed up by the vendors.

RCO does not see a fiscal impact on current practices. RCO reviews our security practices annually and make /accept recommendations when needed.

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

Ransomware protection
Form FN (Rev 1/00) 173,429.00
FNS063 Individual State Agency Fiscal Note 2

467-Recreation and Conservation Funding Board
Request #  22-15-1
Bill # 2044 HB
IV. B - Expenditures by Object Or Purpose
   NONE

IV. C - Capital Budget Breakout
   Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods
   NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB
   NONE

Part V: New Rule Making Required
## Part I: Estimates

[X] No Fiscal Impact

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<td>Estimated Capital Budget Impact:</td>
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*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

Check applicable boxes and follow corresponding instructions:

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- [ ] If fiscal impact is less than $50,000 per fiscal year in the current biennium or in subsequent biennia, complete this page only (Part I).
- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

### Legislative Contact

<table>
<thead>
<tr>
<th>Desiree Omli</th>
<th>360-786-7383</th>
<th>01/25/2022</th>
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</table>

### Agency Preparation

<table>
<thead>
<tr>
<th>Dominga Soliz</th>
<th>360-664-9173</th>
<th>01/28/2022</th>
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</table>

### Agency Approval

<table>
<thead>
<tr>
<th>Dominga Soliz</th>
<th>360-664-9173</th>
<th>01/28/2022</th>
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### OFM Review

<table>
<thead>
<tr>
<th>Lisa Borkowski</th>
<th>(360) 742-2239</th>
<th>01/28/2022</th>
</tr>
</thead>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact

Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2 – New Section requires CTS to create malware and ransomware protection standards, training, and incident response systems. Agencies are required to comply with those standards and on a monthly basis, execute and analyze vulnerability scans and provide the data to various offices. Agencies must assess applications and resources to ensure they comply with the standards and submit prioritized lists to CTS by September 1, 2022. Agencies must ensure that applications and resources with category 3 and 4 data are protected according to the new standards.

ELUHO uses CTS for Small Agency IT Support services. This bill would require initial and regular, ongoing staff resources to meet the standards that are not yet developed by CTS. It is unclear how extensive the new standards will be, the amount of work that will be required to comply, and whether ELUHO will be assisted by CTS staff in complying, however we assume the fiscal impacts will be limited to less than 0.1 FTE per year. We assume new duties would be performed by the ELUHO Administrative Services Director

II. B - Cash receipts Impact

Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

No Cash Receipts.

II. C - Expenditures

Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

Part III: Expenditure Detail

III. A - Operating Budget Expenditures

NONE

III. B - Expenditures by Object Or Purpose

NONE

III. C - Operating FTE Detail:  List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA

NONE

III. D - Expenditures By Program (optional)

NONE

Part IV: Capital Budget Impact

IV. A - Capital Budget Expenditures

NONE

IV. B - Expenditures by Object Or Purpose

NONE

Ransomware protection

Form FN (Rev 1/00)  173,759.00

468-Environmental and Land Use Hearings Office

FNS063 Individual State Agency Fiscal Note  2

Request #  2044 HB-1

Bill #  2044 HB
IV. C - Capital Budget Breakout

Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods

NONE

IV. D - Capital FTE Detail: List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB

NONE

No Capital Budget Impact.

Part V: New Rule Making Required
## Part I: Estimates

- **No Fiscal Impact**

### Estimated Cash Receipts to:

NONE

### Estimated Operating Expenditures from:

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<tr>
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<th>2023-25</th>
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<td>274,000</td>
<td>327,000</td>
<td>588,000</td>
<td>588,000</td>
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<tr>
<td><strong>Total $</strong></td>
<td>53,000</td>
<td>274,000</td>
<td>327,000</td>
<td>588,000</td>
<td>588,000</td>
</tr>
</tbody>
</table>

### Estimated Capital Budget Impact:

NONE

---

*The cash receipts and expenditure estimates on this page represent the most likely fiscal impact. Factors impacting the precision of these estimates, and alternate ranges (if appropriate), are explained in Part II.*

---

Check applicable boxes and follow corresponding instructions:

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- [ ] Capital budget impact, complete Part IV.
- [ ] Requires new rule making, complete Part V.

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<table>
<thead>
<tr>
<th>Legislative Contact:</th>
<th>Desiree Omli</th>
<th>Phone: 360-786-7383</th>
<th>Date: 01/25/2022</th>
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</thead>
<tbody>
<tr>
<td>Agency Preparation:</td>
<td>Matt Hunter</td>
<td>Phone: 360-522-0944</td>
<td>Date: 01/28/2022</td>
</tr>
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<td>Agency Approval:</td>
<td>Matt Hunter</td>
<td>Phone: 360-522-0944</td>
<td>Date: 01/28/2022</td>
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<tr>
<td>OFM Review:</td>
<td>Jim Cahill</td>
<td>Phone: (360) 790-2630</td>
<td>Date: 01/31/2022</td>
</tr>
</tbody>
</table>
Part II: Narrative Explanation

II. A - Brief Description Of What The Measure Does That Has Fiscal Impact
Briefly describe by section number, the significant provisions of the bill, and any related workload or policy assumptions, that have revenue or expenditure impact on the responding agency.

Section 2 has a broad scope of work for the Department to comply with new technology standards:

Section 2(3) requires the Department to comply with enterprise technology standards implemented specific to malware and ransomware protection, backup, and recovery.

Section 2(5) requires the Department to execute and analyze monthly vulnerability scans, make the data available to the Office of Cyber Security, the Office of the State Chief Information Officer, and the Office of the State Auditor upon request.

Section 2(6) requires the Department to ensure that all mission critical applications, business essential applications, and other resources containing data that requires special handling, must be protected to the maximum extent feasible.

Section 2(7) requires the Department to perform an assessment of all applications and resources containing data and report to the office the sizing of managed data to include identifying mission critical data attributes and develop a list of prioritized applications based on mission criticality and impact to constituents in the event of system failure or data loss and submit the list to the OCIO. The Department must submit the sizing of managed data and the list required in to the OCIO by September 1, 2022.

Section 2(10) requires the department to be compliant with provisions of the act and supported by immutable backups by December 31, 2025.

II. B - Cash receipts Impact
Briefly describe and quantify the cash receipts impact of the legislation on the responding agency, identifying the cash receipts provisions by section number and when appropriate the detail of the revenue sources. Briefly describe the factual basis of the assumptions and the method by which the cash receipts impact is derived. Explain how workload assumptions translate into estimates. Distinguish between one time and ongoing functions.

II. C - Expenditures
Briefly describe the agency expenditures necessary to implement this legislation (or savings resulting from this legislation), identifying by section number the provisions of the legislation that result in the expenditures (or savings). Briefly describe the factual basis of the assumptions and the method by which the expenditure impact is derived. Explain how workload assumptions translate into cost estimates. Distinguish between one time and ongoing functions.

The total costs for Section 2 are determined at $53,000 in SFY 22, $274,000 in SFY23, and $294,000 ongoing.

Section 2(3) imposes a new legal mandate for enterprise technology standards specific to malware and ransomware protection, backup, and recovery compliance. 1.0 FTE (IT Security – Journey) starting FY 2023 is required to assess, coordinate, remediate, and ensure agency compliance with these standards. Salaries and benefits, Object A & B includes $127,840 per year, ongoing.

Section 2(5) & Section 2(6): require 0.5 FTE (IT Systems Admin – Journey) starting FY 2023 to perform monthly vulnerability scanning and continuous assessment of size and category of datasets to ensure protection at the maximum extent feasible. Salaries and benefits, Object A & B, $73,521 per year, ongoing.

Section 2(7) Immediate implementation is required for 0.5 FTE (IT Systems Admin – Journey) to perform an assessment of all systems containing data and submit a report to the OCIO by September 1, 2022. Salaries and benefits, Object A & B, are $73,521 onetime.

Section 2(10) mandates that all mission critical and business essential information technology systems are compliant with
law and supported by immutable data backup storage by December 31, 2025. Lead Agency Assumptions identify cost solutions for agencies currently not backing up their servers with WaTech’s Server Backup service, but those costs greatly exceed the Department’s current solution and will not be used. The Department is currently exceeding compliance with policy and standards under RCW 43.105.054 with storage solutions, so no fiscal impact is assumed.

Goods and services, Object E, includes $7,000 per FTE, per year, for WDFW standard costs, which cover an average employee's supplies, communications, training, and subscription costs per year. An infrastructure and program support rate of 36.28% is included in object T and is calculated based on WDFW’s federally approved indirect rate.

Referenced WaTech Lead Agency Assumption:
For agencies that use WaTech’s following services, please use assumptions below:
1. M365 Shared Tenant –
   a. For agencies that are part of WaTech M365 Shared Tenant, WaTech’s fiscal note will include the costs to comply with this requirement. No need to include additional costs for M365 in your fiscal note.
   b. For agencies that are in a private tenant (not part of WaTech M365 Shared Tenant), your costs will not be included in WaTech fiscal note. Any additional costs to comply with this requirement will need to be added to your fiscal note.
2. WaTech Backup Service is already in compliance with this requirement. No additional costs will be incurred.
3. Washington State Cloud (aka WaTech Private Cloud) –
   a. WS Cloud customers not backing up their servers with WaTech’s Server Backup service
      i. The additional costs to comply with this requirement is $.39 per GB per month utilizing the WaTech Backup Service.
      ii. The additional costs for the agencies will not be included in WaTech’s fiscal note; the costs will need to be added to agencies’ fiscal notes.
   b. WS Cloud customers currently using WaTech’s Server Backup service
      i. Already comply with 2044.

Part III: Expenditure Detail
III. A - Operating Budget Expenditures

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<tr>
<th>Account</th>
<th>Account Title</th>
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<td>274,000</td>
<td>327,000</td>
<td>588,000</td>
<td>588,000</td>
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<tr>
<td></td>
<td>Total $</td>
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<td>274,000</td>
<td>327,000</td>
<td>588,000</td>
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III. B - Expenditures by Object Or Purpose

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### III. C - Operating FTE Detail:  
*List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part I and Part IIIA*

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### III. D - Expenditures By Program (optional)

NONE

### Part IV: Capital Budget Impact

**IV. A - Capital Budget Expenditures**

NONE

**IV. B - Expenditures by Object Or Purpose**

NONE

**IV. C - Capital Budget Breakout**

*Identify acquisition and construction costs not reflected elsewhere on the fiscal note and describe potential financing methods*

NONE

**IV. D - Capital FTE Detail:**  
*List FTEs by classification and corresponding annual compensation. Totals need to agree with total FTEs in Part IVB*

NONE

### Part V: New Rule Making Required

NONE