

**HOUSE COMMITTEE ON INFORMATION**  
**MANAGEMENT AND TECHNOLOGY**

**April 28, 2005 Hearing Room 357**

**1:00 P.M.      Tape 35**

**MEMBERS PRESENT:      Rep. John Dallum, Chair**

**Rep. Jerry Krummel, Vice-Chair**

**Rep. Kelley Wirth, Vice-Chair**

**Rep. Chuck Burley**

**Rep. Brad Witt**

**STAFF PRESENT:      Dallas Weyand, Committee Administrator**

**Louann Rahmig, Committee Assistant**

**MEASURES/ISSUES HEARD:**

**HB 3464 – Public Hearing and Work Session**

**These minutes are in compliance with Senate and House Rules. Only text enclosed in quotation marks reports a speaker's exact words. For complete contents, please refer to the tapes.**

<b>TAPE/#</b>	<b>Speaker</b>	<b>Comments</b>
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**TAPE 35, A**

<b>003</b>	<b>Chair Dallum</b>	<b>Calls the meeting to order at 1:08 p.m. and opens a public hearing on HB 3464.</b>
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## **HB 3464 – PUBLIC HEARING**

- 011 Dallas Weyand Refers to agreed-upon language provided by the Oregon Department of Transportation (ODOT) and distributed to the committee members **(EXHIBIT A)**.
- 016 Robin Freeman ODOT. Advises of a meeting to develop a floor speech for the carrier of HB 3464 **(EXHIBIT A)**. Reads the language into the record.
- 027 Chair Ackerman Asks if the language is agreeable to all parties.
- 029 Bradd Swank Oregon Judicial Department. Replies that the language clarifies any ambiguity issues they had.
- 036 Chair Ackerman Closes the public hearing and opens a work session on HB 3464.

## **HB 3464 – WORK SESSION**

- 039 Rep. Burley MOTION: Moves HB 3464 to the floor with a DO PASS recommendation.**
- 043 Rep. Krummel Asks if there are any amendments to HB 3464.
- 045 Chair Dallum Answers, no. Explains that the floor speech language takes the place of any amendments.
- 048 VOTE: 5-0-0**
- AYE: In a roll call vote, all members present vote Aye.**
- 053 Chair Dallum The motion CARRIES.**
- REP. DALLUM will lead discussion on the floor.**
- 060 Chair Dallum Closes the work session on HB 3464.
- 062 Chair Dallum Expresses appreciation to Rep. Burley and Rep. Witt for their efforts on HB 3464.
- 064 Chair Dallum Adjourns the meeting at 1:12 p.m.

**EXHIBIT SUMMARY**

A. HB 3464, floor speech language, Robin Freeman, 1 p

**HOUSE COMMITTEE ON**  
**INFORMATION MANAGEMENT AND TECHNOLOGY**

March 15, 2005 Hearing Room 357

1:00 P.M. Tapes 25 - 26

**MEMBERS PRESENT:** Rep. John Dallum, Chair

Rep. Jerry Krummel, Vice-Chair

Rep. Kelley Wirth, Vice-Chair

Rep. Chuck Burley

Rep. Brad Witt

**STAFF PRESENT:** Dallas Weyand, Committee Administrator

Louann Rahmig, Committee Assistant

**MEASURES/ISSUES HEARD:**

**High Performance Computing Briefing – Informational Meeting**

**These minutes are in compliance with Senate and House Rules. Only text enclosed in quotation marks reports a speaker's exact words. For complete contents, please refer to the tapes.**

<b>TAPE/#</b>	<b>Speaker</b>	<b>Comments</b>
<b>TAPE 25, A</b>		
003	Chair Dallum	Calls the meeting to order at 1:00 p.m. Introduces the high school students from Mitchell, Oregon, attending the committee meeting as guests. Opens the informational meeting on high performance computing briefing.

### **HIGH PERFORMANCE COMPUTING BRIEFING – INFORMATIONAL MEETING**

015	Brian Wornath	LCN Media & Consulting Group. Announces that he represents the Oregon High Performance Computing Consortium. Distributes hard copy of <i>General Proposal for Establishing an Oregon High Performance Computing Infrastructure</i> PowerPoint presentation ( <b>EXHIBIT A</b> ). Begins the presentation with an overview and the goals of developing a supercomputing resource in Oregon.
055	Wornath	Provides an explanation of supercomputing and who would use it.
074	Wornath	Describes the old-style, traditional, single-purpose computer called a “monolith.”
088	Wornath	Discusses types of supercomputers. Refers to case studies in <b>EXHIBIT A, Page 14</b> .
117	Wornath	Discusses how much unused computing time is available after regular office hours, creating an affordable and powerful computing “grid.”
149	Wornath	Continues with justification to develop affordable high performance computing resources within Oregon.
184	Wornath	Proposes to create a state resource that markets the unused capacity and the accompanying consulting services, offering “one-stop shopping” for high-performance computing.
216	Wornath	Outlines sources for general initial capitalization. States that earnings from operations would come from leasing affordable high-performance computing time.
237	Wornath	Shows comparison of estimated financial scenarios ( <b>EXHIBIT A</b> ).

- 313 Wornath Discusses the percentage of return and cost per year of operating a computer grid.
- 381 Wornath Suggests implementing a pilot project to determine the best technical solution. Displays the estimated pilot profitability.

**TAPE 26, A**

- 019 Wornath Discusses a possible organizational structure similar to an Oregon high-performance computing consortium. Continues with explanation of challenges.
- 069 Wornath Has spoken with Chief Information Officers around the state, who believe the concept is good.
- 083 Wornath Summarizes by stating that the technology is proven, can easily be applied to numerous applications and uses, and is easily expandable.
- 121 Chair Dallum Asks about the “down side.”
- 125 Wornath Responds that information technology people will say this is a very specialized area. Believes that ideally the universities and the state would co-develop a pilot program.
- 148 Chair Dallum Inquires if this concept is attractive to private enterprise.
- 155 Wornath Replies, it is. Continues that there are certain niches that don’t have the financial resources to take on a project such as this. Cites examples of researchers who believe they can use.
- 192 Chair Dallum Asks what proposed legislation should look like.
- 196 Wornath Answers that funding for a pilot project could be requested.
- 227 Rep. Burley Inquires what is preventing us from using this now.
- 233 Wornath Responds, nothing. Indicates from a financial standpoint, it is best to consolidate and not have many small clusters.

261 Rep. Burley Refers to the case studies in **EXHIBIT A** that were mostly done by private corporations. Comments that if we were going to use public resources, that is a different set of circumstances particularly since we are concerned with security issues.

270 Wornath Agrees. Offers to provide more up-to-date information. Reports on other states that are doing this for economic development.

313 Rep. Burley States that the corporate environment is more controlled than ours as we have computers all across the state. Asks how we would insure security.

323 Wornath Agrees that some environments are better suited than others.

329 Rep. Krummel Asks if setting something like this up in the new data center might generate the dollars to pay for it.

338 Wornath Replies, absolutely. Reports that high performance computing is being done on a limited basis at the Oregon State University Oceanic School.

404 Rep. Krummel Asks if there have been discussions with the Department of Administrative Services (DAS) or other privately owned data centers to see if there is an interest.

416 Wornath Has spoken with DAS and some small companies affiliated with academics.

439 Rep. Witt Inquires if one has to be a participant in the network to be able to utilize supercomputing capacity.

**TAPE 25,  
B**

011 Wornath Responds, yes, for security reasons. States that the criteria needs to be identified in the business model.

020 Rep. Witt Asks if he is aware of any claims in other states that there is not equal access.

025 Wornath Answers that he has not heard of any.

027	Rep. Wirth	Inquires if anyone has expressed an interest in helping finance a pilot study.
032	Wornath	Replies, absolutely.
038	Rep. Wirth	Asks how much private money might be available.
046	Wornath	Replies that there is interest, and some medical schools are trying to lure grants. Believes discussions with interested parties to determine how much money is available would be needed.
069	Rep. Wirth	Inquires if other states have included some public financing, and how far along they are in the process.
077	Wornath	Answers, it varies.
089	Wanda Brennan	High School Science Teacher, Mitchell, Oregon. Cites problems of areas with limited internet access. Asks how high-performance computing will benefit them.
096	Wornath	Responds that not all rural areas will receive the same amount of benefit; however, areas with community colleges perhaps can provide access.
140	Chair Dallum	Closes the informational meeting on high performance computing and adjourns the meeting at 2:08 p.m.

## **EXHIBIT SUMMARY**

- A. High Performance Computing Infrastructure, General Proposal for Establishing, printed copy of PowerPoint presentation, Brian Wornath, 67 pp**