

2023 HOUSE APPROPRIATIONS

HB 1519

2023 HOUSE STANDING COMMITTEE MINUTES

Appropriations Committee Brynhild Haugland Room, State Capitol

HB 1519
2/1/2023

BILL for an Act to provide appropriations to the department of transportation, department of health and human services, department of career and technical education, department of agriculture, and industrial commission for unmanned aircraft system grants; and to provide a report.

11:52 AM Chairman Vigesaa- Meeting was called to order and roll call was taken:

Members present; Chairman Vigesaa, Representative B. Anderson, Representative Bellew, Representative Brandenburg, Representative Hanson, Representative Kreidt, Representative Mitskog, Representative Meier, Representative Monson, Representative Nathe, Representative J. Nelson, Representative O'Brien, Representative Pyle, Representative Richter, Representative Schatz, Representative Schobinger, Representative J. Stemen and Representative Swiontek.

Members not Present: Representative Martinson, Representative Sanford, Representative Mock, Representative Kempenich, Representative Strinden

Discussion Topics:

- Autonomous Technologies
- ARPA Funds

Representative Hagert- Introduces HB 1519

Doug Goehring ND Ag Commissioner- Testifies in favor. (Testimony #18578)

Matt Dunllevy, CEO ND UAS Council- Testifies in favor, (Testimony # 18406)

Kenley Nebeker- TrainND Northwest Executive Director- Testifies in favor. (Testimony # 18386)

Phil Murphy- ND Soil Convention- Speaks in favor.

Additional written testimony: Dana Hager, Economic Development Association of ND #18345, Kraetti Epperson, Vigilant Aerospace Systems Inc. #18289, Terri Zimmerman Packet Digital & Botlink #18249

Chairman Vigesaa Closed the meeting for HB 1519 at 12:16 PM

Risa Berube, Committee Clerk

2023 HOUSE STANDING COMMITTEE MINUTES

Appropriations Committee Brynhild Haugland Room, State Capitol

HB 1519
2/16/2023

BILL for an Act to provide appropriations to the department of transportation, department of health and human services, department of career and technical education, department of agriculture, and industrial commission for unmanned aircraft system grants; and to provide a report.

7:06 PM Chairman Vigesaa- Meeting was called to order and roll call was taken:

Members present; Chairman Vigesaa, Representative B. Anderson, Representative Bellew, Representative Brandenburg, Representative Hanson, Representative Kreidt, Representative Martinson, Representative Meier, Representative Mock, Representative Monson, Representative Nathe, Representative J. Nelson, Representative O'Brien, Representative Pyle, Representative Richter, Representative Sanford, Representative Schatz, Representative Schobinger, Representative Strinden, Representative G. Stemen and Representative Swiontek.

Members not present Representative Kempenich, Representative Mitskog

Discussion Topics:

- Amendment
- Further Amend

Representative Nathe Adopt amendment 23.0898.03001(#21046) and further amend by adding 250 thousand dollars for each section.

Representative Stemen Seconds the motion.

Roll call vote.

| Representatives | Vote |
|----------------------------------|------|
| Representative Don Vigesaa | Y |
| Representative Keith Kempenich | AB |
| Representative Bert Anderson | Y |
| Representative Larry Bellew | Y |
| Representative Mike Brandenburg | Y |
| Representative Karla Rose Hanson | Y |
| Representative Gary Kreidt | Y |
| Representative Bob Martinson | Y |
| Representative Lisa Meier | Y |
| Representative Alisa Mitskog | AB |
| Representative Corey Mock | Y |
| Representative David Monson | Y |

| | |
|------------------------------------|---|
| Representative Mike Nathe | Y |
| Representative Jon O. Nelson | Y |
| Representative Emily O'Brien | Y |
| Representative Brandy Pyle | Y |
| Representative David Richter | Y |
| Representative Mark Sanford | Y |
| Representative Mike Schatz | Y |
| Representative Randy A. Schobinger | Y |
| Representative Greg Stemen | Y |
| Representative Michelle Strinden | Y |
| Representative Steve Swiontek | Y |

Motion carries 21-0-2

Representative Nathe moves do pass on HB 1519 as amended

Representative Stemen seconded the motion.

Roll Call Vote

| Representatives | Vote |
|------------------------------------|-------------|
| Representative Don Vigesaa | Y |
| Representative Keith Kempenich | AB |
| Representative Bert Anderson | Y |
| Representative Larry Bellew | N |
| Representative Mike Brandenburg | Y |
| Representative Karla Rose Hanson | Y |
| Representative Gary Kreidt | Y |
| Representative Bob Martinson | Y |
| Representative Lisa Meier | Y |
| Representative Alisa Mitskog | AB |
| Representative Corey Mock | Y |
| Representative David Monson | Y |
| Representative Mike Nathe | Y |
| Representative Jon O. Nelson | Y |
| Representative Emily O'Brien | Y |
| Representative Brandy Pyle | Y |
| Representative David Richter | Y |
| Representative Mark Sanford | AB |
| Representative Mike Schatz | N |
| Representative Randy A. Schobinger | N |
| Representative Greg Stemen | Y |
| Representative Michelle Strinden | Y |
| Representative Steve Swiontek | Y |

Motion carries:17-3-3 Representative Nathe will carry the bill.

7:15 PM Chairman Vigesaa Closed the meeting for HB 1519

Risa Berube, Committee Clerk

OK
193
2-17-23

PROPOSED AMENDMENTS TO HOUSE BILL NO. 1519

- Page 1, line 3, replace "unmanned" with "uncrewed"
- Page 1, line 3, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 1, line 10, replace "\$1,000,000" with "\$250,000"
- Page 1, line 11, replace "unmanned" with "uncrewed"
- Page 1, line 12, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 1, line 20, replace "unmanned" with "uncrewed"
- Page 1, line 20, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 1, line 22, replace "unmanned" with "uncrewed"
- Page 1, line 23, after the first comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 1, line 23, replace "unmanned" with "uncrewed"
- Page 1, line 23, after the second comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 1, line 24, replace "unmanned" with "uncrewed"
- Page 1, line 24, after the comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 2, line 1, replace "unmanned" with "uncrewed"
- Page 2, line 1, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 2, line 10, replace "\$1,000,000" with "\$250,000"
- Page 2, line 12, replace "unmanned" with "uncrewed"
- Page 2, line 12, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 2, line 21, replace "unmanned" with "uncrewed"
- Page 2, line 21, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 2, line 24, replace "unmanned" with "uncrewed"
- Page 2, line 24, after the first comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 2, line 24, replace the second "unmanned" with "uncrewed"
- Page 2, line 24, after the second comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 2, line 25, replace "unmanned" with "uncrewed"

- Page 2, line 25, after the comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 2, line 26, replace "unmanned" with "uncrewed"
- Page 2, line 26, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 3, line 5, replace "\$1,000,000" with "\$250,000"
- Page 3, line 7, replace "unmanned" with "uncrewed"
- Page 3, line 7, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 3, line 16, replace "unmanned" with "uncrewed"
- Page 3, line 16, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 3, line 17, replace "unmanned" with "uncrewed"
- Page 3, line 17, after "systems" insert ", autonomous vehicles, or other autonomous technologies"
- Page 3, line 18, replace "unmanned" with "uncrewed"
- Page 3, line 19, after the first comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 3, line 19, replace "unmanned" with "uncrewed"
- Page 3, line 19, after the second comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 3, line 20, replace "unmanned" with "uncrewed"
- Page 3, line 20, after the comma insert "autonomous vehicles, or other autonomous technologies;"
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- Page 3, line 21, after the comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 3, line 22, replace "unmanned" with "uncrewed"
- Page 3, line 22, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 4, line 2, replace "\$1,000,000" with "\$250,000"
- Page 4, line 3, replace "unmanned" with "uncrewed"
- Page 4, line 4, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 4, line 12, replace "unmanned" with "uncrewed"
- Page 4, line 12, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 4, line 14, replace "unmanned" with "uncrewed"
- Page 4, line 15, after the first comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 4, line 15, replace "unmanned" with "uncrewed"

DR
283
2-17-23

Page 4, line 15, after the second comma insert "autonomous vehicles, or other autonomous technologies;"

Page 4, line 16, replace "unmanned" with "uncrewed"

Page 4, line 16, after the comma insert "autonomous vehicles, or other autonomous technologies;"

Page 4, line 17, replace "unmanned" with "uncrewed"

Page 4, line 17, after "system" insert ", autonomous vehicle, or other autonomous technology"

Page 4, line 25, replace "\$1,000,000" with "\$250,000"

Page 4, line 26, replace "unmanned" with "uncrewed"

Page 4, line 26, after "system" insert ", autonomous vehicle, or other autonomous technology"

Page 5, line 4, replace "unmanned" with "uncrewed"

Page 5, line 4, after "system" insert ", autonomous vehicle, or other autonomous technology"

Page 5, line 6, replace "unmanned" with "uncrewed"

Page 5, line 7, after the first comma insert "autonomous vehicles, or other autonomous technologies;"

Page 5, line 7, replace "unmanned" with "uncrewed"

Page 5, line 7, after the second comma insert "autonomous vehicles, or other autonomous technologies;"

Page 5, line 8, replace "unmanned" with "uncrewed"

Page 5, line 8, after the comma insert "autonomous vehicles, or other autonomous technologies;"

Page 5, line 9, replace "unmanned" with "uncrewed"

Page 5, line 9, after "system" insert ", autonomous vehicle, or other autonomous technology"

Re-number accordingly

BR
393
2-17-23

REPORT OF STANDING COMMITTEE

HB 1519: Appropriations Committee (Rep. Vigesaa, Chairman) recommends **AMENDMENTS AS FOLLOWS** and when so amended, recommends **DO PASS** (17 YEAS, 3 NAYS, 3 ABSENT AND NOT VOTING). HB 1519 was placed on the Sixth order on the calendar.

Page 1, line 3, replace "unmanned" with "uncrewed"

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Page 3, line 19, after the first comma insert "autonomous vehicles, or other autonomous technologies;"

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Page 5, line 9, replace "unmanned" with "uncrewed"

Page 5, line 9, after "system" insert ", autonomous vehicle, or other autonomous technology"

Renumber accordingly

2023 SENATE TRANSPORTATION

HB 1519

2023 SENATE STANDING COMMITTEE MINUTES

Transportation Committee
Fort Totten Room, State Capitol

HB 1519
3/23/2023

to provide appropriations to the department of transportation, department of health and human services, department of career and technical education, department of agriculture, and industrial commission for uncrewed aircraft system, autonomous vehicle, or other autonomous technology grants

9:00 AM Chairman Clemens opens hearing.

Senators Present: **Clemens, Conley, Larsen, Rummel, Paulson.**

Discussion Topics:

- Uncrewed definition
- Noxious weeds
- Committee action

9:01 AM Representative Hagerott introduced bill. #26368

9:10 AM Doug Goehring, Agriculture Commissioner, testified in favor. #26427

9:19 AM Tony Grindberg, Principal Manager for Xcel Energy ND, testified in favor. #26430

9:23 AM Kenley Nebeker, Executive Director of TrainND Northwest, Williston State College Chairman of the Board, North Dakota Unmanned Autonomous Systems Council, testified in favor. #26402

9:30 AM Tony Grindberg, , Principal Manager for Xcel Energy ND, answered a question.

9:31 AM Reece Haase, Deputy Director for industrial Commission, verbally testified in favor.

9:34 AM Amy Beise, Uncrewed Aircraft System (UAS) Manager and Materials & Research Division Engineer for the North Dakota Department of Transportation (NDDOT), testified neutrally. #26375

9:41 AM Chairman Clemens closed the hearing.

9:42 AM Senator Larsen moved Do Pass.

9:42 AM Senator Conley seconded.

Roll call vote

| Senators | Vote |
|--------------------------|-------------|
| Senator David A. Clemens | Y |
| Senator Cole Conley | Y |
| Senator Doug Larsen | Y |
| Senator Bob Paulson | Y |
| Senator Dean Rummel | Y |

Motion passed 5-0-0

Senator Conley will carry the bill.

Additional written testimony:

Donald Berchoff #25843

Karthik Balaji #25929

Kraettli Epperson #26352

Terri Zimmerman #26367

William Cromarty #26384

Andrea Pfennig #26395

Sarah Lovas #26400

Dana Hager #26403

Paul Snyder #26405

Matt Dunlevy #26406

Thomas Soyer #26413

9:42 AM Chairman Clemens closed the meeting.

Nathan Liesen, Committee Clerk

REPORT OF STANDING COMMITTEE

HB 1519, as engrossed: Transportation Committee (Sen. Clemens, Chairman)
recommends **DO PASS** (5 YEAS, 0 NAYS, 0 ABSENT AND NOT VOTING).
Engrossed HB 1519 was placed on the Fourteenth order on the calendar. This bill
affects workforce development.

2023 SENATE APPROPRIATIONS

HB 1519

2023 SENATE STANDING COMMITTEE MINUTES

Appropriations Committee Roughrider Room, State Capitol

HB 1519
3/31/2023

A BILL for an Act to provide appropriations to the department of transportation, department of health and human services, department of career and technical education, department of agriculture, and industrial commission for uncrewed aircraft system, autonomous vehicle, or other autonomous technology grants; and to provide a report.

8:25 AM Chairman Bekkedahl opened the hearing on HB 1519.

Members present: Senators Bekkedahl, Krebsbach, Burckhard, Davison, Dever, Dwyer, Erbele, Kreun, Meyer, Roers, Schaible, Sorvaag, Vedaa, Wanzek, Rust, and Mathern.

Discussion Topics:

- Committee discussion

8:25 AM Committee discussion, no sponsors showed up to introduce the bill

8:26 AM Chairman Bekkedahl continued the hearing until such time as a sponsor may introduce the bill.

8:26 AM Chairman Bekkedahl closed the hearing.

Kathleen Hall, Committee Clerk

2023 SENATE STANDING COMMITTEE MINUTES

Appropriations Committee Roughrider Room, State Capitol

HB 1519
4/4/2023

A BILL for an Act to provide appropriations to the department of transportation, department of health and human services, department of career and technical education, department of agriculture, and industrial commission for uncrewed aircraft system, autonomous vehicle, or other autonomous technology grants; and to provide a report.

8:20 AM Chairman Bekkedahl opened the hearing on HB 1519.

Members present: Senators Bekkedahl, Krebsbach, Burckhard, Davison, Dever, Dwyer, Erbele, Kreun, Meyer, Roers, Schaible, Sorvaag, Vedaa, Rust, and Mathern.

Members absent: Senator Wanzek

Discussion Topics:

- TrainND
- Uncrewed aircraft systems
- Beyond-the-line-of-sight drones
- Autonomous vehicle systems
- Data processing and analytics
- Infrastructure, training and curriculum
- Agricultural uses
- Committee action

8:20 AM Kenley Nebeker, Executive Director TrainND Northwest, introduced the bill, prior testimony # 26402

8:32 AM Tom Bodine, Deputy Commissioner, North Dakota Agriculture Department, testified in favor, no written testimony

8:42 AM Representative Jared Hagert, testified in favor, no written testimony

8:49 AM Senator Davison moved to AMEND by eliminating all but section 3 and making that \$750,000. LC 23.0898.04001

Senator Burckhard seconded the motion.

| Senators | Vote |
|----------------------------|-------------|
| Senator Brad Bekkedahl | Y |
| Senator Karen K. Krebsbach | Y |
| Senator Randy A. Burckhard | Y |
| Senator Kyle Davison | Y |
| Senator Dick Dever | Y |
| Senator Michael Dwyer | Y |
| Senator Robert Erbele | N |
| Senator Curt Kreun | Y |
| Senator Tim Mathern | Y |
| Senator Scott Meyer | N |
| Senator Jim P. Roers | Y |
| Senator David S. Rust | Y |
| Senator Donald Schaible | Y |
| Senator Ronald Sorvaag | Y |
| Senator Shawn Vedaa | N |
| Senator Terry M. Wanzek | AB |

Motion passed 12-3-1.

8:56 AM Senator Davison moved DO PASS AS AMENDED.
Senator Burckhard seconded the motion.

| Senators | Vote |
|----------------------------|-------------|
| Senator Brad Bekkedahl | Y |
| Senator Karen K. Krebsbach | Y |
| Senator Randy A. Burckhard | Y |
| Senator Kyle Davison | Y |
| Senator Dick Dever | Y |
| Senator Michael Dwyer | Y |
| Senator Robert Erbele | Y |
| Senator Curt Kreun | Y |
| Senator Tim Mathern | Y |
| Senator Scott Meyer | Y |
| Senator Jim P. Roers | Y |
| Senator David S. Rust | Y |
| Senator Donald Schaible | Y |
| Senator Ronald Sorvaag | Y |
| Senator Shawn Vedaa | Y |
| Senator Terry M. Wanzek | Y |

Motion passed 16-0-0.

Senator Davison will carry the bill.

8:57 AM Chairman Bekkedahl closed the hearing.

Kathleen Hall, Committee Clerk

AGS
 4/4/23
 (1-4)

PROPOSED AMENDMENTS TO ENGROSSED HOUSE BILL NO. 1519

Page 1, line 1, remove "appropriations to the department of transportation, department of"

Page 1, line 2, replace "health and human services," with "an appropriation to the"

Page 1, line 2, remove the second ", department of"

Page 1, line 3, remove "agriculture, and industrial commission"

Page 1, remove lines 6 through 24

Page 2, remove lines 1 through 31

Page 3, remove lines 1 through 8

Page 3, line 13, replace "\$250,000" with "\$750,000"

Page 4, remove lines 10 through 31

Page 5, remove lines 1 through 31

Page 6, remove lines 1 through 3

Renumber accordingly

STATEMENT OF PURPOSE OF AMENDMENT:

House Bill No. 1519 - Summary of Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---|-------------|---------------|----------------|----------------|
| Dept. of Career and Technical Education | | | | |
| Total all funds | \$0 | \$250,000 | \$500,000 | \$750,000 |
| Less estimated income | 0 | 250,000 | 500,000 | 750,000 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| DHHS - Other | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| Industrial Commission | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Agriculture | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Transportation | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |

| | | | | |
|-----------------------|------|-------------|-------------|-----------|
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| Bill total | | | | |
| Total all funds | \$0 | \$1,250,000 | (\$500,000) | \$750,000 |
| Less estimated income | 0 | 1,250,000 | (500,000) | 750,000 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

AG
4/4/23
(2-4)

House Bill No. 1519 - Dept. of Career and Technical Education - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | \$500,000 | \$750,000 |
| Total all funds | \$0 | \$250,000 | \$500,000 | \$750,000 |
| Less estimated income | 0 | 250,000 | 500,000 | 750,000 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 270 - Dept. of Career and Technical Education - Detail of Senate Changes

| | Increases Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|--|----------------------|
| Unmanned aircraft system grants | \$500,000 | \$500,000 |
| Total all funds | \$500,000 | \$500,000 |
| Less estimated income | 500,000 | 500,000 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding is increased by \$500,000 from federal funds derived from the federal State Fiscal Recovery Fund to provide a total of \$750,000 to the Department of Career and Technical Education for unmanned aircraft system grants. The House provided \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Department of Career and Technical Education for unmanned aircraft system grants.

House Bill No. 1519 - DHHS - Other - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 325 - DHHS - Other - Detail of Senate Changes

AG
4/4/23
(3-4)

| | Removes Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|--|----------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from the federal State Fiscal Recovery Fund for the Department of Health and Human Services for unmanned aircraft system grants is removed by the Senate.

House Bill No. 1519 - Industrial Commission - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 405 - Industrial Commission - Detail of Senate Changes

| | Removes Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|--|----------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from the federal State Fiscal Recovery Fund for the Industrial Commission for unmanned aircraft system grants is removed by the Senate.

House Bill No. 1519 - Department of Agriculture - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 602 - Department of Agriculture - Detail of Senate Changes

ALC
4/4/23
(4-4)

| | Removes Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|---|-------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from the federal State Fiscal Recovery Fund for the Department of Agriculture for unmanned aircraft system grants is removed by the Senate.

House Bill No. 1519 - Department of Transportation - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|----------------|------------------|-------------------|-------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 801 - Department of Transportation - Detail of Senate Changes

| | Removes Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|---|-------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from the federal State Fiscal Recovery Fund for the Department of Transportation for unmanned aircraft system grants is removed by the Senate.

REPORT OF STANDING COMMITTEE

HB 1519, as engrossed: Appropriations Committee (Sen. Bekkedahl, Chairman) recommends **AMENDMENTS AS FOLLOWS** and when so amended, recommends **DO PASS** (16 YEAS, 0 NAYS, 0 ABSENT AND NOT VOTING). Engrossed HB 1519 was placed on the Sixth order on the calendar. This bill affects workforce development.

Page 1, line 1, remove "appropriations to the department of transportation, department of"

Page 1, line 2, replace "health and human services," with "an appropriation to the"

Page 1, line 2, remove the second ", department of"

Page 1, line 3, remove "agriculture, and industrial commission"

Page 1, remove lines 6 through 24

Page 2, remove lines 1 through 31

Page 3, remove lines 1 through 8

Page 3, line 13, replace "\$250,000" with "\$750,000"

Page 4, remove lines 10 through 31

Page 5, remove lines 1 through 31

Page 6, remove lines 1 through 3

Renumber accordingly

STATEMENT OF PURPOSE OF AMENDMENT:

House Bill No. 1519 - Summary of Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|--|-------------|---------------|----------------|----------------|
| Dept. of Career and Technical Education | | | | |
| Total all funds | \$0 | \$250,000 | \$500,000 | \$750,000 |
| Less estimated income | 0 | 250,000 | 500,000 | 750,000 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| DHHS - Other | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| Industrial Commission | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Agriculture | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Transportation | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |

| | | | | |
|-----------------------|------|-------------|-------------|-----------|
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |
| Bill total | | | | |
| Total all funds | \$0 | \$1,250,000 | (\$500,000) | \$750,000 |
| Less estimated income | 0 | 1,250,000 | (500,000) | 750,000 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

House Bill No. 1519 - Dept. of Career and Technical Education - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | \$500,000 | \$750,000 |
| Total all funds | \$0 | \$250,000 | \$500,000 | \$750,000 |
| Less estimated income | 0 | 250,000 | 500,000 | 750,000 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 270 - Dept. of Career and Technical Education - Detail of Senate Changes

| | Increases Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|--|----------------------|
| Unmanned aircraft system grants | \$500,000 | \$500,000 |
| Total all funds | \$500,000 | \$500,000 |
| Less estimated income | 500,000 | 500,000 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding is increased by \$500,000 from federal funds derived from the federal State Fiscal Recovery Fund to provide a total of \$750,000 to the Department of Career and Technical Education for unmanned aircraft system grants. The House provided \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Department of Career and Technical Education for unmanned aircraft system grants.

House Bill No. 1519 - DHHS - Other - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 325 - DHHS - Other - Detail of Senate Changes

| | Removes Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|--|----------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from the federal State Fiscal Recovery Fund for the Department of Health and Human Services for unmanned aircraft system grants is removed by the Senate.

House Bill No. 1519 - Industrial Commission - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 405 - Industrial Commission - Detail of Senate Changes

| | Removes Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|--|----------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from the federal State Fiscal Recovery Fund for the Industrial Commission for unmanned aircraft system grants is removed by the Senate.

House Bill No. 1519 - Department of Agriculture - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 602 - Department of Agriculture - Detail of Senate Changes

| | Removes Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|--|----------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from the federal State Fiscal Recovery Fund for the Department of Agriculture for unmanned aircraft system grants is removed by the Senate.

House Bill No. 1519 - Department of Transportation - Senate Action

| | Base Budget | House Version | Senate Changes | Senate Version |
|---------------------------------|-------------|---------------|----------------|----------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 |

Department 801 - Department of Transportation - Detail of Senate Changes

| | Removes Funding for Unmanned Aircraft System Grants ¹ | Total Senate Changes |
|---------------------------------|--|----------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from the federal State Fiscal Recovery Fund for the Department of Transportation for unmanned aircraft system grants is removed by the Senate.

2023 CONFERENCE COMMITTEE

HB 1519

2023 HOUSE STANDING COMMITTEE MINUTES

Appropriations Committee
Brynhild Haugland Room, State Capitol

HB 1519
4/14/2023
Conference Committee

| |
|---|
| BILL for an Act to provide an appropriation to the department of career and technical education for uncrewed aircraft system, autonomous vehicle, or other autonomous technology grants; and to provide a report. |
|---|

8:00 AM Chairman O'Brien Opened the meeting for HB 1519

Members Present- Representative O'Brien, Representative Nathe and Representative Mitskog. Senator Conley, Senator Larsen, and Senator Clemens

Discussion Topics:

- Senate Changes
- Fund 3 of the 5 Sections Recommendation
- Funding Amount Per Section

Chairman O'Brien- Recaps the changes for each house.

Committee Discussion

8:11 AM Representative O'Brien Closes the meeting for HB 1519

Risa Berube, Committee Clerk

2023 HOUSE STANDING COMMITTEE MINUTES

Appropriations Committee
Brynhild Haugland Room, State Capitol

HB 1519
4/24/2023
Conference Committee

| |
|---|
| BILL for an Act to provide an appropriation to the department of career and technical education for uncrewed aircraft system, autonomous vehicle, or other autonomous technology grants; and to provide a report. |
|---|

10:04 AM Madam Chair O'Brien Opened the meeting for SB 1519

Members Present- Madam Chair O'Brien, Representative Nathe and Representative Mitskog. Chairman Conley, Senator Kreun and Senator Davison

Senators Kreun and Davison have been appointed to replace Senator Larsen and Clemens

Discussion Topics:

- Recap
- Amendment

Madam Chair O'Brien- Opens discussion and recaps for the new conference committee members passes out proposed amendment, Christmas tree version 23.0898.04003 (Testimony #27833)

Committee Discussion

Lacee Anderson- Unmanned Autonomous Council- Answers questions for the committee

10:24 AM Madam Chair O'Brien- Closes the meeting for HB 1519

Risa Berube, Committee Clerk

2023 HOUSE STANDING COMMITTEE MINUTES

Appropriations Committee
Brynhild Haugland Room, State Capitol

HB 1519
4/25/2023
Conference Committee

| |
|--|
| Provide an appropriation to the department of career and technical education for uncrewed aircraft system, autonomous vehicle, or other autonomous technology grants |
|--|

3:06 PM Madam Chair O'Brien Opened the meeting for SB 1519

Members Present- Representative O'Brien, Representative Nathe and Representative Mitskog. Senator Conley, Senator Larsen and Senator Clemens

Discussion Topics:

- Amendment
- Conference Committee Action

Madam Chair O'Brien- explained amendment 23.0898.04004 (Testimony #27887)

Representative Nathe- Move to adopt amendment 23.0898.04004 and further amend with the first 750 thousand coming out of ARPA and the last 25 thousand coming from SIIF

Senator Davison- Seconds the Motion

Roll call vote- Motion Carries 6-0-0

Representative Nathe- Offers and explains his amendment (Testimony #27898)

Representative Nathe – Move to adopt his proposed amendment.

Senator Davison Seconds the Motion

Roll call vote- Motion Carries 6-0-0

Senator Davison- Move for the Senate to recede from senate amendments and Do Pass as Amended

Representative Nathe- Seconds the motion.

Roll call vote- Motion Carries 6-0-0

Representative O'Brien and Senator Kreun will carry the bill.

3:19 PM Madam Chair O'Brien Closed the meeting for HB 1519

Risa Berube, Committee Clerk

DK
176
4-25-23

PROPOSED AMENDMENTS TO ENGROSSED HOUSE BILL NO. 1519

That the Senate recede from its amendments as printed on pages 1682-1685 of the House Journal and pages 1435-1437 of the Senate Journal and that Engrossed House Bill No. 1519 be amended as follows:

Page 1, line 1, remove "department of transportation, department of"

Page 1, line 2, remove "health and human services,"

Page 1, line 2, replace ", department of" with "and"

Page 1, line 3, replace ", and industrial commission" with "commissioner"

Page 1, line 4, after the semicolon insert "to provide for a legislative management study;"

Page 1, remove lines 6 through 24

Page 2, remove lines 1 through 31

Page 3, remove lines 1 through 8

Page 3, line 9, after the second boldfaced dash insert "**STRATEGIC INVESTMENT AND IMPROVEMENTS FUND -**"

Page 3, line 13, replace "\$250,000" with "\$475,000"

Page 3, line 18, replace "section" with "subsection"

Page 3, line 19, after "2." insert "There is appropriated from the strategic investment and improvements fund, not otherwise appropriated, the sum of \$12,500, or so much of the sum as may be necessary, to the department of career and technical education for the purpose of administering the grant program in subsection 1 of section 1 of this Act, for the biennium beginning July 1, 2023, and ending June 30, 2025. The funding provided in this subsection is considered a one-time funding item.

3."

Page 3, line 28, replace "3." with "4."

Page 3, line 28, remove "to purchase or lease uncrewed"

Page 3, remove lines 29 and 30

Page 3, line 31, remove "autonomous technologies;"

Page 4, line 6, replace "4." with "5."

Page 4, line 10, after the second boldfaced dash insert "**STRATEGIC INVESTMENT AND IMPROVEMENTS FUND -**"

Page 4, line 11, remove "**DEPARTMENT OF**"

Page 4, line 11, after "**AGRICULTURE**" insert "**COMMISSIONER**"

OK
Zjle
4.26.23

Page 4, line 14, replace "\$250,000" with "\$275,000"

Page 4, line 15, remove "department of"

Page 4, line 15, after "agriculture" insert "commissioner"

Page 4, line 18, replace "section" with "subsection"

Page 4, line 20, after "2." insert "There is appropriated from the strategic investment and improvements fund, not otherwise appropriated, the sum of \$12,500, or so much of the sum as may be necessary, to the agriculture commissioner for the purpose of administering the grant program in subsection 1 of section 2 of this Act, for the biennium beginning July 1, 2023, and ending June 30, 2025. The funding provided in this subsection is considered a one-time funding item.

3."

Page 4, line 20, remove "department of"

Page 4, line 20, after "agriculture" insert "commissioner"

Page 4, line 22, remove "department of"

Page 4, line 22, after "agriculture" insert "commissioner"

Page 4, line 24, remove "department of"

Page 4, line 24, after "agriculture" insert "commissioner"

Page 4, line 28, replace "3." with "4."

Page 4, line 28, remove "to purchase or lease uncrewed aircraft"

Page 4, remove lines 29 and 30

Page 4, line 31, remove "technologies;"

Page 5, line 3, remove "department of"

Page 5, line 3, after "agriculture" insert "commissioner"

Page 5, line 4, replace "4." with "5."

Page 5, line 4, remove "department of"

Page 5, line 4, after "agriculture" insert "commissioner"

Page 5, remove lines 7 through 31

Page 6, replace lines 1 through 3 with:

"SECTION 3. LEGISLATIVE MANAGEMENT STUDY - UNCREWED AUTONOMOUS SYSTEMS. During the 2023-24 interim, the legislative management shall consider studying the utilization of existing autonomous system capabilities and infrastructure to provide solutions to workforce and safety needs in the state. The study must include an analysis of utilizing autonomous technology for infrastructure inspection, rural emergency service needs, agriculture advancement, energy industry application, and other opportunities for collaboration through the utilization of autonomous system technology. The legislative management shall report its findings

and recommendations, together with any legislation required to implement the recommendations, to the sixty-ninth legislative assembly."

DR
376
4-26-23

Renumber accordingly

STATEMENT OF PURPOSE OF AMENDMENT:

House Bill No. 1519 - Summary of Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Dept. of Career and Technical Education | | | | | | |
| Total all funds | \$0 | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Less estimated income | 0 | 250,000 | 237,500 | 487,500 | 750,000 | (262,500) |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DHHS - Other | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Industrial Commission | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Emergency Services | | | | | | |
| Total all funds | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 0 | 0 | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Agriculture | | | | | | |
| Total all funds | \$0 | \$250,000 | \$37,500 | \$287,500 | \$0 | \$287,500 |
| Less estimated income | 0 | 250,000 | 37,500 | 287,500 | 0 | 287,500 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Transportation | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Bill total | | | | | | |
| Total all funds | \$0 | \$1,250,000 | (\$475,000) | \$775,000 | \$750,000 | \$25,000 |
| Less estimated income | 0 | 1,250,000 | (475,000) | 775,000 | 750,000 | 25,000 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

House Bill No. 1519 - Dept. of Career and Technical Education - Conference Committee Action

*DR
4-26
4-26-21*

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Total all funds | \$0 | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Less estimated income | 0 | 250,000 | 237,500 | 487,500 | 750,000 | (262,500) |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 270 - Dept. of Career and Technical Education - Detail of Conference Committee Changes

| | Adjusts Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | \$237,500 | \$237,500 |
| Total all funds | \$237,500 | \$237,500 |
| Less estimated income | 237,500 | 237,500 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$237,500, of which \$225,000 is from federal funds derived from the State Fiscal Recovery Fund and \$12,500 is from the strategic investment and improvements fund (SIIF), is added to the Department of Career and Technical Education for autonomous technology grants to provide total funding of \$487,500, of which \$475,000 is from the State Fiscal Recovery Fund and \$12,500 is from SIIF for administration of the grant program. The House provided \$250,000, and the Senate provided \$750,000 from the State Fiscal Recovery Fund.

House Bill No. 1519 - DHHS - Other - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 325 - DHHS - Other - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Department of Health and Human Services for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Industrial Commission - Conference Committee Action

*10K
5/16
4-26-23*

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 405 - Industrial Commission - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Industrial Commission for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Department of Agriculture - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | \$37,500 | \$287,500 | | \$287,500 |
| Total all funds | \$0 | \$250,000 | \$37,500 | \$287,500 | \$0 | \$287,500 |
| Less estimated income | 0 | 250,000 | 37,500 | 287,500 | 0 | 287,500 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 602 - Department of Agriculture - Detail of Conference Committee Changes

| | Adjusts Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | \$37,500 | \$37,500 |
| Total all funds | \$37,500 | \$37,500 |
| Less estimated income | 37,500 | 37,500 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$37,500, of which \$25,000 is from federal funds derived from the State Fiscal Recovery Fund and \$12,500 is from SIIF, is added to the Agriculture Commissioner for autonomous technology grants to provide total funding of \$287,500, of which \$275,000 is from the State Fiscal Recovery Fund and \$12,500 is from SIIF for administration of the grant program. The House provided \$250,000 from the State Fiscal Recovery Fund, and the Senate removed the funding.

House Bill No. 1519 - Department of Transportation - Conference Committee Action

DR
4-26-23
Cagle

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 801 - Department of Transportation - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Department of Transportation for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

**2023 HOUSE CONFERENCE COMMITTEE
 ROLL CALL VOTES**

HB 1519 as engrossed

House Full Appropriations Committee

- Action Taken**
- HOUSE accede to Senate Amendments**
 - HOUSE accede to Senate Amendments and further amend**
 - SENATE recede from Senate amendments**
 - SENATE recede from Senate amendments and amend as follows**
 - Unable to agree**, recommends that the committee be discharged and a new committee be appointed

Motion Made by: Representative Nathe Seconded by: Senator Davison

| Representatives | 4/14 | 4/24 | 4/25 | Yes | No | | Senators | 4/14 | 4/24 | 4/25 | Yes | No |
|------------------------|------|------|------|------------|-----------|--|--------------------------|------|------|------|------------|-----------|
| Representative O'Brien | X | X | X | X | | | Senator Conley | X | X | X | X | |
| Representative Nathe | X | X | X | X | | | Senator Larsen | X | | | | |
| Representative Mitskog | X | X | X | X | | | Senator Clemens | X | | | | |
| | | | | | | | Senator Kreun | | X | X | X | |
| | | | | | | | Senator Davison | | X | X | X | |
| Total Rep. Vote | | | | 3 | 0 | | Total Senate Vote | | | | 3 | 0 |

Vote Count Yes: 6 No: 0 Absent: 0

House Carrier _____ Senate Carrier _____

LC Number _____ of amendment

LC Number _____ of engrossment

Emergency clause added or deleted

Statement of purpose of amendment

Move to adopt amendment 23.0898.04004 and further amend with the first 750 thousand out of ARPA and the last 25 thousand out of SIIF funds.

**2023 HOUSE CONFERENCE COMMITTEE
 ROLL CALL VOTES**

HB 1519 as engrossed

House Full Appropriations Committee

- Action Taken**
- HOUSE accede to Senate Amendments
 - HOUSE accede to Senate Amendments and further amend
 - SENATE recede from Senate amendments
 - SENATE recede from Senate amendments and amend as follows
 - Unable to agree**, recommends that the committee be discharged and a new committee be appointed

Motion Made by: Representative Nathe Seconded by: Senator Davison

| Representatives | | | | | Senators | | | | |
|------------------------|--|--|-----|----|-------------------|--|--|-----|----|
| | | | Yes | No | | | | Yes | No |
| Representative O'Brien | | | X | | Senator Conley | | | X | |
| Representative Nathe | | | X | | Senator Kreun | | | X | |
| Representative Mitskog | | | X | | Senator Davison | | | X | |
| | | | | | | | | | |
| | | | | | | | | | |
| Total Rep. Vote | | | 3 | 0 | Total Senate Vote | | | 3 | 0 |

Vote Count Yes: 6 No: 0 Absent: 0

House Carrier _____ Senate Carrier _____

LC Number _____ of amendment

LC Number _____ of engrossment

Emergency clause added or deleted

Statement of purpose of amendment

Move to adopt Representative Nathe amendment to add a study (Testimony #27898)

**2023 HOUSE CONFERENCE COMMITTEE
ROLL CALL VOTES**

HB 1519 as engrossed

House Full Appropriations Committee

- Action Taken**
- HOUSE accede to Senate Amendments
 - HOUSE accede to Senate Amendments and further amend
 - SENATE recede from Senate amendments
 - SENATE recede from Senate amendments and amend as follows
 - Unable to agree, recommends that the committee be discharged and a new committee be appointed

Motion Made by: Senator Davison Seconded by: Representative Nathe

| Representatives | | | | Yes | No | Senators | | | | Yes | No |
|------------------------|--|--|--|-----|----|-------------------|--|--|--|-----|----|
| Representative O'Brien | | | | x | | Senator Conley | | | | x | |
| Representative Nathe | | | | X | | Senator Kreun | | | | X | |
| Representative Mitskog | | | | X | | Senator Davison | | | | X | |
| | | | | X | | | | | | | |
| | | | | | | | | | | | |
| Total Rep. Vote | | | | 3 | 0 | Total Senate Vote | | | | 3 | 0 |

Vote Count Yes: 6 No: 0 Absent: 0

House Carrier Representative O'Brien Senate Carrier Senator Kreun

LC Number 23.0898 . 04005 of amendment

LC Number 23.0898 . 06000 of engrossment

Emergency clause added or deleted

Statement of purpose of amendment

REPORT OF CONFERENCE COMMITTEE

HB 1519, as engrossed: Your conference committee (Sens. Conley, Kreun, Davison and Reps. O'Brien, Nathe, Mitskog) recommends that the **SENATE RECEDE** from the Senate amendments as printed on HJ pages 1682-1685, adopt amendments as follows, and place HB 1519 on the Seventh order:

That the Senate recede from its amendments as printed on pages 1682-1685 of the House Journal and pages 1435-1437 of the Senate Journal and that Engrossed House Bill No. 1519 be amended as follows:

Page 1, line 1, remove "department of transportation, department of"

Page 1, line 2, remove "health and human services,"

Page 1, line 2, replace ", department of" with "and"

Page 1, line 3, replace ", and industrial commission" with "commissioner"

Page 1, line 4, after the semicolon insert "to provide for a legislative management study;"

Page 1, remove lines 6 through 24

Page 2, remove lines 1 through 31

Page 3, remove lines 1 through 8

Page 3, line 9, after the second boldfaced dash insert "**STRATEGIC INVESTMENT AND IMPROVEMENTS FUND -**"

Page 3, line 13, replace "\$250,000" with "\$475,000"

Page 3, line 18, replace "section" with "subsection"

Page 3, line 19, after "2." insert "There is appropriated from the strategic investment and improvements fund, not otherwise appropriated, the sum of \$12,500, or so much of the sum as may be necessary, to the department of career and technical education for the purpose of administering the grant program in subsection 1 of section 1 of this Act, for the biennium beginning July 1, 2023, and ending June 30, 2025. The funding provided in this subsection is considered a one-time funding item.

3."

Page 3, line 28, replace "3." with "4."

Page 3, line 28, remove "to purchase or lease uncrewed"

Page 3, remove lines 29 and 30

Page 3, line 31, remove "autonomous technologies;"

Page 4, line 6, replace "4." with "5."

Page 4, line 10, after the second boldfaced dash insert "**STRATEGIC INVESTMENT AND IMPROVEMENTS FUND -**"

Page 4, line 11, remove "**DEPARTMENT OF**"

Page 4, line 11, after "**AGRICULTURE**" insert "**COMMISSIONER**"

Page 4, line 14, replace "\$250,000" with "\$275,000"

Page 4, line 15, remove "department of"

Page 4, line 15, after "agriculture" insert "commissioner"

Page 4, line 18, replace "section" with "subsection"

Page 4, line 20, after "2." insert "There is appropriated from the strategic investment and improvements fund, not otherwise appropriated, the sum of \$12,500, or so much of the sum as may be necessary, to the agriculture commissioner for the purpose of administering the grant program in subsection 1 of section 2 of this Act, for the biennium beginning July 1, 2023, and ending June 30, 2025. The funding provided in this subsection is considered a one-time funding item.

3."

Page 4, line 20, remove "department of"

Page 4, line 20, after "agriculture" insert "commissioner"

Page 4, line 22, remove "department of"

Page 4, line 22, after "agriculture" insert "commissioner"

Page 4, line 24, remove "department of"

Page 4, line 24, after "agriculture" insert "commissioner"

Page 4, line 28, replace "3." with "4."

Page 4, line 28, remove "to purchase or lease uncrewed aircraft"

Page 4, remove lines 29 and 30

Page 4, line 31, remove "technologies;"

Page 5, line 3, remove "department of"

Page 5, line 3, after "agriculture" insert "commissioner"

Page 5, line 4, replace "4." with "5."

Page 5, line 4, remove "department of"

Page 5, line 4, after "agriculture" insert "commissioner"

Page 5, remove lines 7 through 31

Page 6, replace lines 1 through 3 with:

"SECTION 3. LEGISLATIVE MANAGEMENT STUDY - UNCREWED AUTONOMOUS SYSTEMS. During the 2023-24 interim, the legislative management shall consider studying the utilization of existing autonomous system capabilities and infrastructure to provide solutions to workforce and safety needs in the state. The study must include an analysis of utilizing autonomous technology for infrastructure inspection, rural emergency service needs, agriculture advancement, energy industry application, and other opportunities for collaboration through the utilization

of autonomous system technology. The legislative management shall report its findings and recommendations, together with any legislation required to implement the recommendations, to the sixty-ninth legislative assembly."

Renumber accordingly

STATEMENT OF PURPOSE OF AMENDMENT:

House Bill No. 1519 - Summary of Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Dept. of Career and Technical Education | | | | | | |
| Total all funds | \$0 | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Less estimated income | 0 | 250,000 | 237,500 | 487,500 | 750,000 | (262,500) |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DHHS - Other | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Industrial Commission | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Emergency Services | | | | | | |
| Total all funds | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 0 | 0 | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Agriculture | | | | | | |
| Total all funds | \$0 | \$250,000 | \$37,500 | \$287,500 | \$0 | \$287,500 |
| Less estimated income | 0 | 250,000 | 37,500 | 287,500 | 0 | 287,500 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Transportation | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Bill total | | | | | | |
| Total all funds | \$0 | \$1,250,000 | (\$475,000) | \$775,000 | \$750,000 | \$25,000 |
| Less estimated income | 0 | 1,250,000 | (475,000) | 775,000 | 750,000 | 25,000 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

House Bill No. 1519 - Dept. of Career and Technical Education - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Total all funds | \$0 | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Less estimated income | 0 | 250,000 | 237,500 | 487,500 | 750,000 | (262,500) |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 270 - Dept. of Career and Technical Education - Detail of Conference Committee Changes

| | Adjusts Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | \$237,500 | \$237,500 |
| Total all funds | \$237,500 | \$237,500 |
| Less estimated income | 237,500 | 237,500 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$237,500, of which \$225,000 is from federal funds derived from the State Fiscal Recovery Fund and \$12,500 is from the strategic investment and improvements fund (SIIF), is added to the Department of Career and Technical Education for autonomous technology grants to provide total funding of \$487,500, of which \$475,000 is from the State Fiscal Recovery Fund and \$12,500 is from SIIF for administration of the grant program. The House provided \$250,000, and the Senate provided \$750,000 from the State Fiscal Recovery Fund.

House Bill No. 1519 - DHHS - Other - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 325 - DHHS - Other - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Department of Health and Human Services for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Industrial Commission - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 405 - Industrial Commission - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Industrial Commission for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Department of Agriculture - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | \$37,500 | \$287,500 | | \$287,500 |
| Total all funds | \$0 | \$250,000 | \$37,500 | \$287,500 | \$0 | \$287,500 |
| Less estimated income | 0 | 250,000 | 37,500 | 287,500 | 0 | 287,500 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 602 - Department of Agriculture - Detail of Conference Committee Changes

| | Adjusts Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | \$37,500 | \$37,500 |
| Total all funds | \$37,500 | \$37,500 |
| Less estimated income | 37,500 | 37,500 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$37,500, of which \$25,000 is from federal funds derived from the State Fiscal Recovery Fund and \$12,500 is from SIIF, is added to the Agriculture Commissioner for autonomous technology grants to provide total funding of \$287,500, of which \$275,000 is from the State Fiscal Recovery Fund and \$12,500 is from SIIF for administration of the grant program. The House provided \$250,000 from the State Fiscal Recovery Fund, and the Senate removed the funding.

House Bill No. 1519 - Department of Transportation - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 801 - Department of Transportation - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Department of Transportation for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

Engrossed HB 1519 was placed on the Seventh order of business on the calendar.

TESTIMONY

HB 1519

**Written Testimony of Terri Zimmerman
North Dakota House Appropriations
February 1, 2023**

Chairman Delzer, Vice Chairman Kempenich, and members of the House Appropriations Committee. I am Terri Zimmerman, CEO of Packet Digital and Botlink, two companies developing and manufacturing drone batteries and software right here in North Dakota.

I was born and raised on a farm outside of Hannah, ND, graduated from the University of North Dakota, and have worked in the technology sector in North Dakota for over 25 years. I was the CFO and Vice President of Operations of Great Plains Software during their rapid growth and expansion and became the CEO of Packet Digital in 2013, which then acquired a controlling stake in Botlink in 2015. Additionally, I was appointed to a state economic development board by several Governors of North Dakota and served for 17 years, and have been chair of The Research Institute for Autonomous Systems at the University of North Dakota since 2017. I am a proud North Dakotan and have been a strong advocate for our state's technology sector.

I offer my testimony today strongly in support of HOUSE BILL NO. 1519. I have had the opportunity to work with both commercial and government drone customers across the United States for over a decade, and have watched the industry grow from an idea to a reality. I have seen the considerable impact that state and local government funding can have on new and emerging markets, and how that funding can kickstart technology adoption across different market sectors that may have been resistant before. This proposed funding will lead to drone technology adoption across the state at agencies and organizations that otherwise would be unable to use this powerful technology.

It's my belief that North Dakota is a leader in UAS technology in the US, but to maintain that position it's important for the state to invest money towards new sectors that can highlight the utility of drones in its citizens' day-to-day lives.

HOUSE BILL NO. 1519 funding will allow drone technology to be showcased across the entire state, bringing more North Dakotan citizens into the drone industry, and continuing a forward momentum of leading the country in drone technology.

Sincerely,

Terri Zimmerman

Terri Zimmerman, CEO of Packet Digital and Botlink



Vigilant Aerospace Systems, Inc.
33 South 3rd Street, STE C
Grand Forks, ND 58201-4789

January 31, 2023

RE: North Dakota HB 1519

To whom it may concern:

As the CEO of Vigilant Aerospace Systems, I am writing in support of North Dakota House Bill 1519.

Vigilant Aerospace is a technology company with offices and employees in North Dakota and Oklahoma. Vigilant provides airspace management and safety software for remotely piloted aircraft.

The company's technology is based on two licensed NASA patents and helps uncrewed aircraft to maintain safe distances from other traffic, which is required to fly beyond the sight of the remote pilot. The system is specifically designed to help enable uncrewed aircraft flight corridors and has been used at multiple uncrewed aircraft flight centers throughout the U.S. and in NASA and FAA research programs. The company also has an existing partnership with the Northern Plains UAS Test Site in Grand Forks for use of the system for research.

HB 1519 will enable our region to accelerate economic growth and begin to realize the positive impact that autonomous systems can have on day-to-day operations. As a regional employer and industry leader, we support HB 1519 and its focus on accelerating our region's development of autonomous capabilities for the Department of Transportation, Department of Health and Human Services, Department of Career and Technical Education, Department of Agriculture, and the Industrial Commission, through grants for programs and pilot projects.

Showing financial support for uncrewed aircraft system (UAS) programs will have a positive impact on small North Dakota businesses and on the state government departments that will benefit from advanced autonomous technology. It will also act as an ongoing symbol of leadership to the UAS industry-at-large, for which North Dakota has become a national leader.

We thank you for considering this testimony in support of HB 1519. If you have any questions, please contact me at KLEpperson@VigilantAerospace.com or by telephone at (701) 730-1177.

Sincerely,

A handwritten signature in black ink, appearing to read "Kraettli L. Epperson", with a long horizontal flourish extending to the right.

Kraettli L. Epperson
CEO, Vigilant Aerospace Systems, Inc.



PO Box 1091 • Bismarck, ND 58502

701-355-4458 • www.ednd.org

**Testimony of Dana Hager
Economic Development Association of North Dakota
In Support of HB 1519
Feb. 1, 2023**

Chairman Vigessa and members of the House Appropriations Committee:

My name is Dana Hager, executive director of the Economic Development Association of North Dakota (EDND). I am here to express support for HB 1519 to provide appropriations for Unmanned Aircraft System (UAS) grants.

EDND represents more than 80 state economic development organizations on the front line of economic development efforts throughout North Dakota. EDND members understand that our state's long-term future depends upon expanded economic diversification and supporting innovation that will bring new wealth to the state.

North Dakota is a leader in the UAS industry. Keeping a solid collaboration between government and industry will drive the UAS vision to the next level. HB 1519 and appropriations to the departments of Transportation, Health and Human Services, Career and Technical Education, Agriculture, and the Industrial Commission will provide funding for continued UAS development and infrastructure to serve our communities and business sectors.

North Dakota is thriving and must continue to invest in growing its UAS networks and operations to support our state's diversity and our nation's national security mission. Thank you for your time, and we urge a Do Pass on HB 1519.



February 1, 2023

House Appropriations Committee
Chairman Vigesaa
P.O. Box 763
Cooperstown, ND 58425-0763
dwwigesaa@ndlegis.gov

From: Kenley Nebeker, Regional Director for Technical Programs and Training, Williston State College and Chairman of the Board, North Dakota Unmanned Autonomous Systems Council

Subject: Support for UAS Funding Bill HB 1519

To the Honorable Chairman Vigesaa and Committee Members,

My name is Kenley Nebeker. I am the Executive Director of TrainND Northwest in Williston North Dakota. It is also my privilege to serve as the Chairman of the Board for the North Dakota Unmanned Autonomous Systems Council. I am writing in support of HB 1519.

As you are aware HB 1519 provides for appropriations to multiple North Dakota agencies allowing for funding to directly related industry partners to promote widescale adoption and use of UAS in North Dakota. This bill provides funding to allow industry partners in these key areas to adopt UAS into their day-to-day operations whether through purchase of their own UAS or the use of a UAS service provider.

Additionally, there are funds contained in this bill for creating programs that will educate a workforce meant to support the widescale adoption of drones in North Dakota. Included in this bill are funds for workforce training focused on building a data analysis and processing program. The establishment of this program is key for widescale adoption. In multiple interviews with industry the common theme has been that there are 2 main hurdles to widescale adoption by industry at this time:

1. BVLOS flight
 - a. Being overcome by the establishment of Vantis
2. Data Analysis and processing
 - a. This bill would provide funding to establish a program to build a workforce ready to leverage the technology that already exists to take the massive amounts of data collected by UAS and process the data into a usable product for the end user.

The importance of the educational component of this bill cannot be understated.

Human nature often leads us to continue doing things the way traditionally have, no matter how inefficient, until something forces us to change, or someone shows us a better way. The brilliance of this bill is that through the funding provided, multiple companies will be able to prove the use cases of UAS in their operations and show other industry partners within the state how things can be done better using UAS.

The potential uses of UAS in every industry, from soil to oil, continue to expand and the opportunity in the UAS sector is set to grow exponentially. This infusion of funds will help companies give this new technology a chance to show how it can grow efficiencies, save lives, expand wealth, and even fundamentally change workflows for the better.



In conclusion this bill gives North Dakota the chance to take another step in leading way in the UAS industry throughout the nation by providing a pathway for widescale adoption of UAS throughout the state and in multiple industries.

I ask for a do pass vote and welcome any questions you may have.

Very Respectfully,

A handwritten signature in blue ink, appearing to read "Kenley Nebeker".

Kenley Nebeker
Executive Director
TrainND Northwest

Chairman of the Board
North Dakota Unmanned Automated Systems Council
kenley.nebeker@willistonstate.edu
(701) 713-3780



975 58th Ave South, Grand Forks, ND 58201 | 218.791.1089 | stacey@nduas.org

**Testimony of Matt Dunlevy to the North Dakota House of Representatives
Appropriations Committee**

Chairman Vigesaa and Members of the Committee:

I am writing to express my support for House Bill 1519 and the allocation of funding to Unmanned Aircraft Systems (UAS) and autonomous technologies projects led by state agencies in North Dakota.

UAS and autonomous technologies have the potential to bring numerous benefits to the state of North Dakota. From agriculture and natural resource management to public safety and infrastructure inspection, mechanized autonomy has the ability to increase efficiency and effectiveness in various industries.

In agriculture, UAS can provide farmers with real-time information about their crops, allowing them to make informed decisions about planting and harvest times, as well as identifying areas of their fields that may require additional attention. In the oil and gas industry, UAS can help inspect pipelines, reducing the need for workers to physically inspect these structures and improving safety.

Additionally, through this bill, autonomous technology can be used in greater volume for search and rescue missions, helping to locate missing individuals more quickly and effectively. Similar autonomous methods can also be used to monitor natural disasters, such as wildfires or floods, providing critical information to first responders and allowing them to respond more effectively.

Given these benefits, I believe it is important that North Dakota allocate more funding to UAS projects led by state agencies. By doing so, North Dakota will not only improve the quality of services offered to its citizens, but it will also multiply the positive effects of the Vantis network, cementing its position as a role model to the nation.

Thank you for your consideration of my testimony. I strongly encourage the appropriation committee to support House Bill 1519. Please do not hesitate to reach out to me with any questions.

Very respectfully,

Matt Dunlevy
President & CEO
matt.dunlevy@gmail.com
Cell: 651-494-2221

COMMISSIONER
DOUG GOEHRING



ndda@nd.gov
www.nd.gov/ndda

NORTH DAKOTA
DEPARTMENT OF AGRICULTURE
STATE CAPITOL
600 E. BOULEVARD AVE. – DEPT. 602
BISMARCK, ND 58505-0020

Testimony of Doug Goehring
Agriculture Commissioner
House Appropriations Committee
Brynhild Haugland Room
February 1, 2023

Chairman Vigesaa, and members of the House Appropriations Committee, I am Agriculture Commissioner Doug Goehring and I'm here today in support of House Bill 1519 which would develop UAS grant program.

The grant could be used support further use of UAS work on weed and pathogen identification, detection, and treatment allowing for spot application of pesticides to treat pest, pathogens, and invasive weeds. It could as well monitor crop stress including water and nutrient deficiency in crops through out the season. In the animal agriculture, UAS could track grazing patterns, resource condition, rangeland capacity, predatory activity, and livestock condition and health. As well as inspecting difficult remote or challenging livestock terrain. Additionally, there is potential opportunities to support an imaging library that further refines algorithms that may further other uses and technologies.

Chairman Vigesaa, and committee members, thank you for your time and I'd be happy to answer any questions you may have.

23.0898.03001
Title.

Prepared by the Legislative Council staff for
Representative Hagert
February 1, 2023

PROPOSED AMENDMENTS TO HOUSE BILL NO. 1519

- Page 1, line 3, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 1, line 12, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 1, line 20, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 1, line 23, after the first comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 1, line 23, after the second comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 1, line 24, after the comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 2, line 1, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 2, line 12, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 2, line 21, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 2, line 24, after the first comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 2, line 24, after the second comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 2, line 25, after the comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 2, line 26, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 3, line 7, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 3, line 16, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 3, line 17, after "systems" insert ", autonomous vehicles, or other autonomous technologies"
- Page 3, line 19, after the first comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 3, line 19, after the second comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 3, line 20, after the comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 3, line 21, after the comma insert "autonomous vehicles, or other autonomous technologies;"
- Page 3, line 22, after "system" insert ", autonomous vehicle, or other autonomous technology"
- Page 4, line 4, after "system" insert ", autonomous vehicle, or other autonomous technology"

Page 4, line 12, after "system" insert ", autonomous vehicle, or other autonomous technology"

Page 4, line 15, after the first comma insert "autonomous vehicles, or other autonomous technologies;"

Page 4, line 15, after the second comma insert "autonomous vehicles, or other autonomous technologies;"

Page 4, line 16, after the comma insert "autonomous vehicles, or other autonomous technologies;"

Page 4, line 17, after "system" insert ", autonomous vehicle, or other autonomous technology"

Page 4, line 26, after "system" insert ", autonomous vehicle, or other autonomous technology"

Page 5, line 4, after "system" insert ", autonomous vehicle, or other autonomous technology"

Page 5, line 7, after the first comma insert "autonomous vehicles, or other autonomous technologies;"

Page 5, line 7, after the second comma insert "autonomous vehicles, or other autonomous technologies;"

Page 5, line 8, after the comma insert "autonomous vehicles, or other autonomous technologies;"

Page 5, line 9, after "system" insert ", autonomous vehicle, or other autonomous technology"

Renumber accordingly

TRUWEATHER SOLUTIONS

Trusted Data, Real Results

TruWeather Solutions Inc.
University of North Dakota Innovation Center
Grand Fork, ND
don.berchoff@truweathersolutions.com

March 20, 2023

TO: North Dakota Legislative Assembly

SUBJECT: HB 1519

On December 7, 2022, Governor Doug Burgum presented his 2023-2025 Executive Budget to the 68th Legislative Assembly, delivering a plan that includes \$37 million to support growth in the ND unmanned aviation systems industry (<https://video.ndlegis.gov/en/PowerBrowser/PowerBrowserV2/20221214/-1/27996>.)

North Dakota is a leader in the Nation as a proving ground for testing and development of Unmanned Aerial Systems (UAS). HB 1519 is important to maintain North Dakota's leadership by providing appropriations to the department of transportation, department of health and human services, department of career and technical education, department of agriculture, and industrial commission for uncrewed aircraft system, autonomous vehicle, or other autonomous technology grants.

TruWeather is expanding our weather operations and services in North Dakota because of North Dakota's UAS leadership position in the United States. TruWeather is bringing the most advanced micro-weather technology in the world to North Dakota through our commercial relationship with Grand Sky. By mid-2023, North Dakota will have the most advanced low altitude micro-weather services in the Nation. This Bill will continue to support innovations, for companies like TruWeather, to help realize the economic possibilities of uncrewed aircraft systems in North Dakota. More work is required to reach the full promise of regular Beyond-Visual-Line-of-Sight drone operations across North Dakota.

As a business and partner operating in North Dakota, we see the value of this Bill in simulating the development of new technology to support UAS ecosystem growth and bring economic and practical benefits to businesses, public safety and the people of North Dakota.

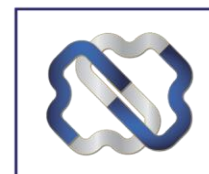
Donald H. Berchoff

Donald H. Berchoff
Chief Executive Officer

+1 877 TRU WTHR
+1 877 878 9847

ClientRelations@TruWeatherSolutions.com
www.truweathersolutions.com

VA/DC Headquarters - Reston, VA
Data and Product Development Center - Albany, NY
Operations Center - Syracuse, NY
UAS Weather Innovations Center - Grand Forks, ND





Tau Drones

975 58th Ave S., Grand Forks, ND 58201

www.taudrones.com

Monday, March 20th, 2023

Testimony of Karthik Balaji to the North Dakota House of Representatives Appropriations Committee

Chairman Vigesaa and Members of the Committee,

I am writing to express my support for House Bill 1519 and the allocation of funding to Unmanned Aircraft Systems (UAS) and autonomous technologies projects led by state agencies in North Dakota.

UAS systems have brought about increased safety and efficiency in many industrial sectors including agriculture, energy, public safety and transportation. UAS have enabled increased means of inspection and risk assessment across sectors while maintaining real time to near real time data exchange between entities, along with recorded evidence. On the other hand, autonomous systems are creating marvels across the board, reducing operational costs and increasing efficiency. Together these technologies have tremendous potential for symbiotic growth in the state of North Dakota, and in the process bring great technological advances.

Tau Drones today specializes in infrastructure health and data analysis. At Tau Drones we focus specifically on marrying autonomy with UAS technology, using artificial intelligence and data analytics to offer better infrastructure inspections in a scalable fashion. Tau Drones is continuously looking for better means of automation in the field of UAS data processing and flight. The House bill of 1519 will greatly enable our research & development as well as operational capabilities.

The benefits for the state as well as private sector brought forth by this House Bill is numerous given that North Dakota is at forefront of UAS technology. By funding such (technological) autonomy initiatives in UAS, North Dakota will ensure great strides in bringing in more innovative services, manufacturing and jobs to the state. Thank you for your consideration of my testimony. I strongly encourage the appropriation committee to support House Bill 1519. Please do not hesitate to reach out to me with any questions.

Sincerely,

A handwritten signature in black ink that reads "Karthik Balaji". The signature is written in a cursive, slightly slanted style.

Karthik Balaji

Product Development & Technical Manager

Tau Drones, LLC

karthik@taudrones.com | (213)477-3825



Vigilant Aerospace Systems, Inc.
33 South 3rd Street, STE C
Grand Forks, ND 58201-4789

March 22, 2023

RE: North Dakota HB 1519

To whom it may concern:

As the CEO of Vigilant Aerospace Systems, I am writing in support of North Dakota House Bill 1519.

Vigilant Aerospace is a technology company with offices and employees in North Dakota and Oklahoma. Vigilant provides airspace management and safety software for remotely piloted aircraft.

The company's technology is based on two licensed NASA patents and helps uncrewed aircraft to maintain safe distances from other traffic, which is required to fly beyond the sight of the remote pilot. The system is specifically designed to help enable uncrewed aircraft flight corridors and has been used at multiple uncrewed aircraft flight centers throughout the U.S. and in NASA and FAA research programs. The company also has an existing partnership with the Northern Plains UAS Test Site in Grand Forks for use of the system for research.

HB 1519 will enable our region to accelerate economic growth and begin to realize the positive impact that autonomous systems can have on day-to-day operations. As a regional employer and industry leader, we support HB 1519 and its focus on accelerating our region's development of autonomous capabilities for the Department of Transportation, Department of Health and Human Services, Department of Career and Technical Education, Department of Agriculture, and the Industrial Commission, through grants for programs and pilot projects.

Showing financial support for uncrewed aircraft system (UAS) programs will have a positive impact on small North Dakota businesses and on the state government departments that will benefit from advanced autonomous technology. It will also act as an ongoing symbol of leadership to the UAS industry-at-large, for which North Dakota has become a national leader.

We thank you for considering this testimony in support of HB 1519. If you have any questions, please contact me at KLEpperson@VigilantAerospace.com or by telephone at (701) 730-1177.

Sincerely,

A handwritten signature in black ink, appearing to read "Kraettli L. Epperson".

Kraettli L. Epperson
CEO, Vigilant Aerospace Systems, Inc.

Written Testimony of Terri Zimmerman
North Dakota Senate Transportation Committee
March 23, 2023

Chairman Clemens, Vice Chairman Fors, and members of the Senate Transportation Committee. I am Terri Zimmerman, CEO of Packet Digital and Botlink, two companies developing and manufacturing drone batteries and software right here in North Dakota.

I was born and raised on a farm outside of Hannah, ND, graduated from the University of North Dakota, and have worked in the technology sector in North Dakota for over 25 years. I was the CFO and Vice President of Operations of Great Plains Software during their rapid growth and expansion and became the CEO of Packet Digital in 2013, which then acquired a controlling stake in Botlink in 2015. Additionally, I was appointed to a state economic development board by several Governors of North Dakota and served for 17 years, and have been chair of The Research Institute for Autonomous Systems at the University of North Dakota since 2017. I am a proud North Dakotan and have been a strong advocate for our state's technology sector.

I offer my testimony today strongly in support of HB 1519. I have had the opportunity to work with both commercial and government drone customers across the United States for over a decade, and have watched the industry grow from an idea to a reality. I have seen the considerable impact that state and local government funding can have on new and emerging markets, and how that funding can kickstart technology adoption across different market sectors that may have been resistant before. This proposed funding will lead to drone technology adoption across the state at agencies and organizations that otherwise would be unable to use this powerful technology.

It's my belief that North Dakota is a leader in UAS technology in the US, but to maintain that position it's important for the state to invest money towards new sectors that can highlight the utility of drones in its citizens' day-to-day lives.

HB 1519 funding will allow drone technology to be showcased across the entire state, bringing more North Dakotan citizens into the drone industry, and continuing a forward momentum of leading the country in drone technology.

Sincerely,

Terri Zimmerman, CEO of Packet Digital and Botlink



HB1519

Senate Transportation Committee

March 23, 2023

Dr. Mark Hagerott, Chancellor, NDUS
701.328.2963 | mark.hagerott@ndus.edu

Chair Clemens and members of the Senate Transportation Committee, my name is Mark Hagerott, and I serve as the Chancellor for the North Dakota University System (NDUS). I am here today in support of HB1519.

HB1519 appropriates state fiscal recovery funds to various state entities for Unmanned Aircraft Systems (UAS) and autonomous technologies projects. Section 3 provides \$250,000 to the Department of Career & Technical Education (CTE) for a grant to the northwest Train ND workforce training center at Williston State College.

As a former engineer and retired Navy and Afghanistan War veteran, I have worked with semi and autonomous systems. They constitute an emerging technology that can improve multiple sectors of our economy and government service, to include the energy and agriculture industries. As autonomous systems become more central to these leading industries and government, work force training, which is provided by Williston State College and Train ND, will become more urgent. HB1519 will help the North Dakota University System, at Williston, to more rapidly respond to this emerging industry. I recommend a “Do Pass” of HB 1519.

This concludes my testimony, and I will gladly answer any questions from the committee.



HB 1519

Senate Transportation Committee

Fort Totten | March 23, 2023, 9 a.m.

Amy Beise, UAS Manager and Materials & Research Division Engineer

Good morning, Mr. Chairman and members of the committee. I'm Amy Beise, Uncrewed Aircraft System (UAS) Manager and Materials & Research Division Engineer for the North Dakota Department of Transportation (NDDOT). I'm here to provide information related to HB 1519.

HB 1519 provides a one-time sum of \$250,000 to the North Dakota Department of Transportation for the purpose of uncrewed aircraft system, autonomous vehicle, or other autonomous technology grants to political subdivisions. The NDDOT shall develop an application process and guidelines for the grants, including eligibility criteria, maximum grant awards, and matching requirements.

The NDDOT has internally operated a departmentwide UAS program since 2019. We currently have 25 licensed part 107 remote UAS pilots. The pilots reside in 12 different divisions and districts throughout the state that support several different transportation related use cases.

UAS technology has allowed NDDOT to upgrade existing transportation infrastructure workflows by collecting data, remotely, autonomously, economically, and safely. The NDDOT has focused UAS efforts on use cases that support transportation infrastructure or communications to the traveling public including emergency response, construction inspection, and structure inspection. Below is a list of examples use cases under each category.

| Emergency Response | Construction Inspection | Structure Inspection |
|---|--|---|
| <ul style="list-style-type: none"> ▪ Incident management ▪ Flooding ▪ Wind ▪ Landslides ▪ Fire ▪ Snow and ice impacts | <ul style="list-style-type: none"> ▪ Documentation ▪ Routine Inspection ▪ Surveying ▪ Quantities ▪ Hazard and obstacle evaluation ▪ Work zone traffic monitoring | <ul style="list-style-type: none"> ▪ Supplemental bridge inspection ▪ Deck delamination survey quantities ▪ High mast lighting ▪ Overhead signs ▪ Culverts |

The NDDOT currently operates with a fleet of 18 uncrewed aircrafts (drones) which are used to collect aerial photography, images for photogrammetry, and LiDAR.

The NDDOT is also a lead participant in the Federal Aviation Administration UAS Beyond Program. The Beyond Program has a specific emphasis on beyond visual line of sight (BVLOS) UAS operations that support infrastructure inspection, public operations, and package delivery. The program focuses on opening existing regulatory frameworks operating under established rules rather than waivers, collecting data to develop performance-based standards, collecting and addressing community feedback, understanding the societal and community benefits, and streamlining the approval processes for UAS integration.

This concludes my testimony. Thank You.



**DJI Mavic 2
Zoom**

9 Units

Service Areas

Communications
Construction
Maintenance
Materials & Research

Use Cases

Public Outreach
Survey
Construction
Inventory



**DJI Mavic 2
Enterprise**

1 Unit

Service Areas

Construction
Maintenance

Use Cases

Public Outreach
Survey
Construction
Inventory



**DJI Mavic 2
Pro**

2 Units

Service Areas

Communications
Construction
Maintenance

Use Cases

Public Outreach
Survey
Construction
Inventory



**DJI Mavic
Mini**

4 Units

Service Areas

UAS Manager
Statewide Support

Use Cases

Training



Skydio S2

1 Unit

Service Areas

Bridge Asset Mgmt.
Statewide Support

Use Cases

Structure Inspection
Inventory
Measurements



Prism X8

1 Unit

Service Areas

Design
Statewide Support

Use Cases

Preliminary Survey
Aerial Survey
LIDAR



22 MAR 2023

To Whom It May Concern:

As Director of Business Development at Aerial Robotics, I am writing to express support for House Bill 1519.

This bill represents a key stepping stone in the commercialization of UAV technology in North Dakota by allowing for innovative use cases at a local level in partnership with state agencies; North Dakota has invested tens of millions of dollars in the infrastructure required for future commercial drone operations, and HB1519 provides a clear pathway for entities across the energy, medical, and emergency services sectors to build on North Dakota's investment in this technology by demonstrating the practical use cases for this technology.

In turn, this progress towards widespread application of innovative UAV technology for novel use cases ensures North Dakota will collect a return on its investment in drone technology by demonstrating the safe and economical use of unmanned technology in partnership with local government and industry.

Sincerely,

A handwritten signature in black ink, appearing to read "William S. Cromarty", with a long, sweeping underline.

William S. Cromarty
Director of Business Development
Aerial Robotics, Inc
+1 (650) 300-9997
wsc@airialrobotics.com

AIRIAL ROBOTICS | 235 Harrison St | PO#45 | Syracuse NY 13202



GREATER NORTH DAKOTA CHAMBER
HB 1519
Senate Transportation Committee
Chair David Clemens
March 22, 2023

Mr. Chairman and members of the Committee, my name is Andrea Pfennig with the Greater North Dakota Chamber. GNDC is North Dakota's largest statewide business advocacy organization, with membership represented by small and large businesses, local chambers, and trade and industry associations across the state. We stand in **support** of House Bill 1519.

Our members support automation, innovation, and entrepreneurship through targeted incentives and economic development policies that position North Dakota to be globally competitive.

HB 1519 supports a growing industry while enabling the exploration of practical applications that would benefit other established North Dakota industries.

We hope you will support HB 1519.

HB1519-Support
Senate Transportation Committee
3/22/23
Sarah Hall Lovas

Chairman Clemens and Senate Transportation Committee Members: My name is Sarah Lovas and I am an agronomist from Hillsboro, ND. Please support HB 1519. I am an agronomist who works for a precision agriculture company called GK Technology, Halstad, MN (www.gktechinc.com). I specialize in working with agriculture data and turning it into actionable items that farmers can use. These items include variable rate prescriptions for seed, fertilizer, pesticides, irrigation, lime and other agronomic inputs. I also create drain tile plans and surface drainage maps.

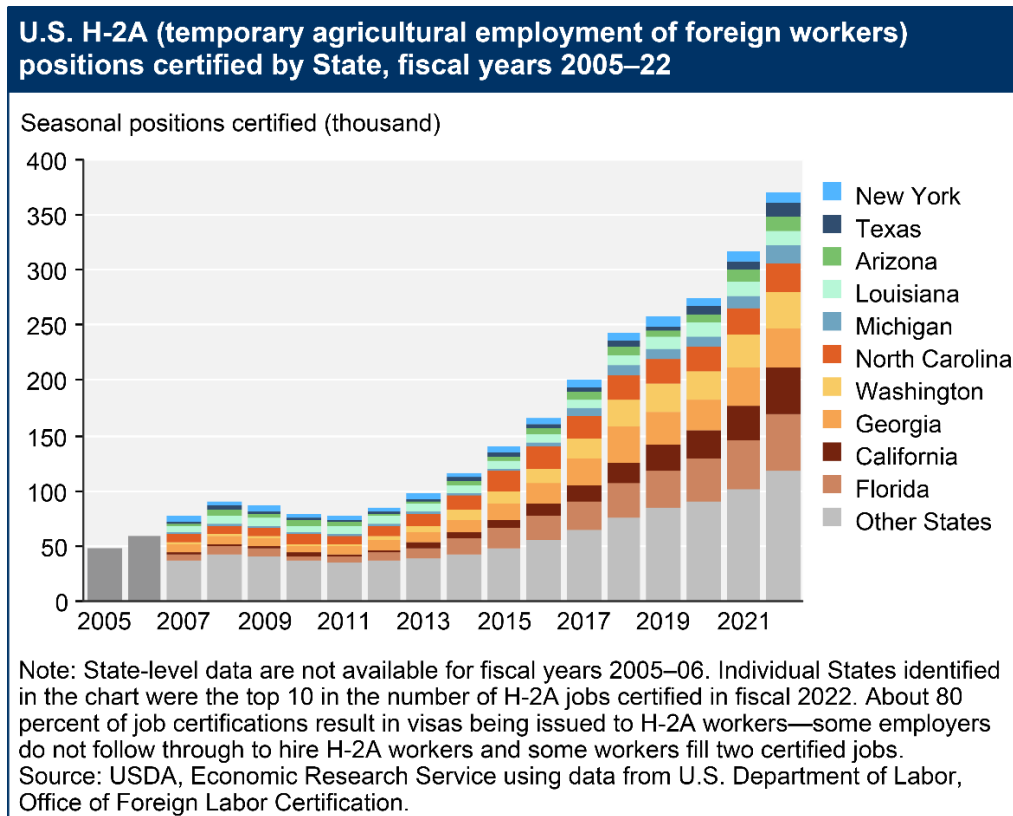
Autonomous vehicles are a critical part of the precision agriculture industry. Autonomous vehicles that are currently used in agriculture include Unmanned Aerial Vehicles (UAV's), telematics, as well as operator-assisted autonomous tractors.

UAV's are used in agriculture to produce imagery and sensor data that can be used to affect decisions. The data produced includes, but is not limited to high resolution imagery, thermal data, high resolution infrared data and multi-spectral data. Currently, these types of data are used to produce useful information such as crop stand counts and difference of relative chlorophyll content. These data can help determine where extra fertilizer might be needed or if a crop needs to be replanted. Further research is needed to help us learn how to positively identify weeds, insect pests, and disease infestations with remote sensors on UAV's. These data could provide great opportunities for better agronomic decisions.

UAV's are also starting to be used in pesticide application. At this point in time, this is not a complete replacement for a ground sprayer or a spray plane. However, there are pesticides getting applied with UAV's as a site specific application such as field edges. Further research is needed to help with understanding the most efficient way to use UAV's for pesticide application as well as research that supports pesticides labels with proper UAV application language.

Autonomy is also becoming a larger part of daily farming activities on the farm. Autonomous field vehicles could be an important component of solving the farm labor issue current producers are facing. Many farming operations are struggling to find enough labor. To access enough

labor, many farming operations are utilizing the H-2A foreign worker program. From 2005 to 2022 the number of H2A workers has dramatically increased (see graph). Many farmers that I visit with are enthusiastic to adopt autonomous farm equipment to help with this farm labor issue.



Autonomous farm equipment is not an unrealistic, far-fetched dream. It is beginning to become a reality. Currently there are operator assisted autonomy grain cart tractors. There is no operator in the grain cart tractor and the combine operator remotely operates the grain cart while unloading the combine. Then, the grain cart is sent to a staging area where the truck driver will load his own truck with the grain cart. These grain carts are not quite 100% autonomous, as they still have an operators in the field. However, neither to they have an operator in cab 100% of the time. This is already starting to save on labor.

Telematics are also a real part of current agriculture. According to the Merriam-Webster dictionary Telematics is the combination of information technology with telecommunications. Telematics in agriculture is sending and receiving information remotely. Telematics in

agriculture is allowing allows farmers and ag retailers to remotely monitor their fleets of tractors, application equipment, and trucks. Telematics allows agronomists to send variable rate prescriptions directly to tractors and application equipment directly from my computer. Telematics can remotely alert the farmer or the local tractor dealership if there has been a breakdown with a piece of equipment. A couple of examples of current telematic platforms in agriculture include Raven Industries Slingshot (<https://ravenind.com/products/connectivity-logistics/slingshot>) and John Deere Operations Center (<https://operationscenter.deere.com/>).

The next step for autonomy is to combine some of the pieces of currently operator assisted autonomy (ie-the grain cart example) with telematics so that farming can truly become autonomous. One of the best and most realistic predictions of how we get to true autonomy is described by Raven Industries: <https://ravenind.com/path-to-autonomy>. This includes 5 steps: 1) Precision Farming (we have been doing this for years now; 2) Coordination and Operation- this is when two pieces of equipment can “see” each other and “coordinate” their activities. This would be when two combines or planters are in the same field and the monitor in both cabs can show the other piece of equipment’s work; 3) Operator Assisted Autonomy – an example of this is the grain cart example above; 4) Supervised Autonomy – an autonomous machine that operated from outside the cab, but within the field for example from a computer in pickup cab; 5)finally-Full Autonomy.

To achieve full autonomy with farm equipment we need public research and collaboration with private companies. We also need help understanding the safety protocols and liability issues with fully autonomous farm equipment. These grants could go a long way to helping this become a reality

For these reasons, I fully support HB 1519 and ask for your support as well.

If you have any questions, please feel free to contact me:

Sarah Lovas
Sarah.e.h.lovas@gmail.com
701-866-1704



March 22, 2023

Senate Transportation Committee
Chairman Clemens
1682 Oakwood Drive
West Fargo, ND 58078-4315
dclemens@ndlegis.gov

From: Kenley Nebeker,
Executive Director of TrainND Northwest, Williston State College
Chairman of the Board, North Dakota Unmanned Autonomous Systems Council

Subject: Support for UAS Funding Bill HB 1519

To the Honorable Chairman Clemens and Committee Members,

My name is Kenley Nebeker. I am the Executive Director of TrainND Northwest in Williston North Dakota. It is also my privilege to serve as the Chairman of the Board for the North Dakota Unmanned Autonomous Systems Council. I am writing in support of HB 1519.

As you are aware HB 1519 provides for appropriations to multiple North Dakota agencies allowing for funding to directly related industry partners to promote widescale adoption and use of UAS in North Dakota. This bill provides funding to allow industry partners in these key areas to adopt UAS into their day-to-day operations whether through purchase of their own UAS or the use of a UAS service provider.

Additionally, there are funds contained in this bill for creating programs that will educate a workforce meant to support the widescale adoption of drones in North Dakota. Included in this bill are funds for workforce training focused on building a data analysis and processing program. The establishment of this program is key for widescale adoption. In multiple interviews with industry the common theme has been that there are 2 main hurdles to widescale adoption by industry at this time:

1. BVLOS flight
 - a. Being overcome by the establishment of Vantis
2. Data Analysis and processing
 - a. This bill would provide funding to establish a program to build a workforce ready to leverage the technology that already exists to take the massive amounts of data collected by UAS and process the data into a usable product for the end user.

The importance of the educational component of this bill cannot be understated.

Human nature often leads us to continue doing things the way traditionally have, no matter how inefficient, until something forces us to change, or someone shows us a better way. The brilliance of this bill is that through the funding provided, multiple companies will be able to prove the use cases of UAS in their operations and show other industry partners within the state how things can be done better using UAS.

The potential uses of UAS in every industry, from soil to oil, continue to expand and the opportunity in the UAS sector is set to grow exponentially. This infusion of funds will help companies give this new technology a chance to show how it can grow efficiencies, save lives, expand wealth, and even fundamentally change workflows for the better.



In conclusion this bill gives North Dakota the chance to take another step in leading way in the UAS industry throughout the nation by providing a pathway for widescale adoption of UAS throughout the state and in multiple industries.

I ask for a do pass vote and welcome any questions you may have.

Very Respectfully,

A handwritten signature in blue ink, appearing to read "Kenley Nebeker".

Kenley Nebeker
Executive Director
TrainND Northwest

Chairman of the Board
North Dakota Unmanned Automated Systems Council
kenley.nebeker@willistonstate.edu
(701) 713-3780



PO Box 1091 • Bismarck, ND 58502

701-355-4458 • www.ednd.org

**Testimony of Dana Hager
Economic Development Association of North Dakota
In Support of HB 1519
March 23, 2023**

Chairman Clemens and members of the Senate Transportation Committee:

My name is Dana Hager, executive director of the Economic Development Association of North Dakota (EDND). I am here to express support for HB 1519 to provide appropriations for Unmanned Aircraft System (UAS) grants.

EDND represents more than 80 state economic development organizations on the front line of economic development efforts throughout North Dakota. EDND members understand that our state's long-term future depends upon expanded economic diversification and supporting innovation that will bring new wealth to the state.

North Dakota is a leader in the UAS industry. Keeping a solid collaboration between government and industry will drive the UAS vision to the next level. HB 1519 and appropriations to the departments of Transportation, Health and Human Services, Career and Technical Education, Agriculture, and the Industrial Commission will provide funding for continued UAS development and infrastructure to serve our communities and business.

North Dakota is thriving and must continue to invest in growing its UAS networks and operations to support our state's diversity and growth. Thank you for your time, and we urge a Do Pass on HB 1519.

**TESTIMONY OF PAUL SNYDER
DIRECTOR OF UAS OPERATIONS FOR THE
JOHN D. ODEGARD SCHOOL OF AEROSPACE SCIENCES
LEAD – AUTONOMOUS PLATFORMS, RESEARCH
INSTITUTE FOR AUTONOMOUS SYSTEMS**

March 22, 2023

HOUSE BILL 1519

To Chair David Clemens and Members of the Senate Transportation Committee:

I am Paul Snyder, Director of the UAS Operations Program at the University of North Dakota John D. Odegard School of Aerospace Sciences and Lead for Autonomous Platforms at UND's Research Institute for Autonomous Systems (RIAS). I have had the privilege to be a part of the aviation community in North Dakota for over 30 years – crewed and uncrewed.

UND Aerospace's roots are in aviation education, research, and training. Starting in 1968 in crewed aviation, UND Aerospace has for over 20 years been leading in UAS Operations and Autonomous systems in North Dakota — first in research as a Center of Excellence for FAA Research and later in 2009 when UND became the first university in the United States to offer a four-year degree in UAS Operations.

UND Aerospace has consistently worked beside industry, government, and academia for the furtherance of the aviation industry and workforce development. UAS Operations and Autonomous Systems are a natural progression to meet the ever-present need to operate more effectively, efficiently, and safely within the National Airspace System as well as in other modes of transportation used by autonomous vehicles. UAS Operations will continue to converge with all aspects: Airport Operations and Management, Air Traffic Management, Commercial Operations as well as Space Operations. This will be done with the safety mindset developed through the many lessons learned in Aviation as we forge new pathways to transport passengers and cargo as well as provide various services to the public.

Today I write to give testimony in support of House Bill 1519, which provides commitment for the advancement of uncrewed aircraft systems, autonomous vehicles, and other autonomous technology. Providing resources for the

Department of Transportation, Department of Health and Human Services, Department of Career and Technical Education, Department of Agriculture, and the Industrial Commission, this bill recognizes and begins to address the profound impact UAS and Autonomous vehicles have, and will continue to have, on the North Dakota ecosystem.

It is also a natural progression from the educational and research initiatives in autonomy that have already been accomplished, as well as the many lessons learned, by institutions here in North Dakota.

My support is predicated on language in the bill that supports engagement with other North Dakota entities, such as UND, which can provide expertise, existing state equipment, and forward-thinking solutions to ensure the advancements of this technology is used to its' fullest extent and benefits these North Dakota entities long term.

As we have learned, the acquisition of UAS, autonomous vehicles and related autonomous technology must be paired with experience, proven methods, an understanding of system safety, and proper education/training. While I support this bill, I encourage continued efforts to build into the aviation foundation started by UND in 1968. Furthermore, while workforce development funds have been specifically allocated to the "northwest area of the state," I believe future funding should be expanded to include all regions of North Dakota.

I urge a DO PASS on this bill, and I thank you for this continued commitment to keeping North Dakota and North Dakota entities as leaders in UAS, autonomous vehicles, and related technology. We truly live in exciting times.

Sincerely,

Paul Snyder

Director of UAS Operations Program

John D. Odegard School of Aerospace Sciences – UND Aerospace

Lead - Autonomous Platforms

UND - Research Institute for Autonomous Systems



975 58th Ave South, Grand Forks, ND 58201 | 218.791.1089 | stacey@nduas.org

Testimony of Matt Dunlevy to the North Dakota Senate Transportation Committee

Chair Clemens and Members of the Committee:

I am writing to express my support for House Bill 1519 and the allocation of funding to Unmanned Aircraft Systems (UAS) and autonomous technologies projects led by state agencies in North Dakota.

UAS and autonomous technologies have the potential to bring numerous benefits to the state of North Dakota. From agriculture and natural resource management to public safety and infrastructure inspection, mechanized autonomy has the ability to increase efficiency and effectiveness in various industries.

In agriculture, UAS can provide farmers with real-time information about their crops, allowing them to make informed decisions about planting and harvest times, as well as identifying areas of their fields that may require additional attention. In the oil and gas industry, UAS can help inspect pipelines, reducing the need for workers to physically inspect these structures and improving safety.

Additionally, through this bill, autonomous technology can be used in greater volume for search and rescue missions, helping to locate missing individuals more quickly and effectively. Similar autonomous methods can also be used to monitor natural disasters, such as wildfires or floods, providing critical information to first responders and allowing them to respond more effectively.

Given these benefits, I believe it is important that North Dakota allocate more funding to UAS projects led by state agencies. By doing so, North Dakota will not only improve the quality of services offered to its citizens, but it will also multiply the positive effects of the Vantis network, cementing its position as a role model to the nation.

Thank you for your consideration of my testimony. I strongly encourage the appropriation committee to support House Bill 1519. Please do not hesitate to reach out to me with any questions.

Very respectfully,

Matt Dunlevy
President & CEO
matt.dunlevy@gmail.com
Cell: 651-494-2221

Testimony, in favor of HB 1519, from Thomas Swoyer, Jr., President and Partner, Grand Sky Development Company, LLC.

On behalf of Grand Sky Development Company, LLC in Grand Forks, I submit this testimony in support of House Bill 1519. House Bill 1519 represents a strong step forward in the continued growth and development of the Uncrewed Aerial Systems (UAS) industry in North Dakota. The State of North Dakota has invested in a leadership position in the UAS industry, and these investments are generating tangible and intangible returns in the form of tax revenue, jobs, opportunities for North Dakota residents, national defense, and notoriety for the State as a great place to do business. State investments to date have also created new academic opportunities in support of FAA, NASA, NOAA, and national defense research. State investments are helping industry to use UAS more broadly and to explore and incorporate ground and aerial systems. State investments have created the Northern Plains UAS Test Site which provides the regulatory interface that gives North Dakota UAS firms a distinct advantage when competing in other parts of the country. State investment has propelled the growth of GrandSKY, the nation's first and largest UAS focused business park. State investments have helped attract some of our country's largest defense contractors who are growing and flourishing in North Dakota because of the environment that has been created. There is still more opportunity ahead. I offer my support for House Bill 1519 because North Dakota can still seize new opportunities. Investing in the grant program envisioned in HB1519 would help start opening opportunities for specific state agencies to tap into the incredible value UAS. HB1519 would offer funds that allow state agencies to leverage the previous investments that have been made.

HB1519 will offer state agencies the chance to utilize UAS for various work processes. UAS can help with workforce augmentation allowing one person to accomplish more in a day's work. UAS can allow for data collection that otherwise would be difficult to acquire. UAS allows people to perform dull, dirty, and dangerous work safely and efficiently. The grant program envisioned within HB1519 provides the seed funding that will allow the included agencies to determine how UAS can be used for their specific needs. HB1519 creates a powerful incentive to get state agencies to engage UAS for their needs however, some changes could benefit the program as it is developed.

When we discuss UAS, we often point to the aerial vehicle, the drone itself, as the tool that makes the difference. However, the "S" in UAS represents the "system" and it's the system that makes UAS so valuable. The drone by itself is not very useful. The drone needs to carry a camera or some other sensor that can collect information. Taking an additional step, the raw data collected by the camera on the drone requires processing and interpretation to capitalize on the "system's" total capability and usefulness. Without the payload elements like cameras or other sensors and software to process the collected data, a UAS is just a drone.

It should be the goal of the legislature to approve these funds to create the proposed grant program to help create the best incentive possible for local government entities to partner with state agencies to use UAS. To support such a program and to have it be as robust as possible, I offer the following recommendations:

1. Any funds authorized and appropriated under HB1519 should NOT be allowed to be used for the purchase of any uncrewed aircraft system,

autonomous vehicle, or other autonomous technology. The risk of allowing entities to purchase systems is that those systems will end of sitting on a shelf in the future, unused. The technology of the aircraft, the sensors, and the processing software change rapidly. Rules for the use of UAS or autonomous technology are still being written and can change. The goal of HB1519 should be to take advantage of using UAS systems, to acquire data, turn it into information and make decisions with it. The goal should NOT be to own the system.

2. Owning UAS, autonomous vehicles or other autonomous systems creates the challenge for each agency or local government to hire the people necessary to legally fly the aircraft, manage the and maintain the systems, process the data acquired. There are various subsets of problems with this approach:
 - a. The aircraft will need to be managed as state owned aircraft under state aviation rules and requirements.
 - b. Use of the aircraft will require insurance for their use.
 - c. State employees flying the aircraft or managing the use of the vehicles will need to acquire and maintain the proper registrations and licenses.
 - d. Data management will become a significant effort. If data is acquired with state owned UAS, is that data automatically and inherently government data and available to the public?
 - e. How will the state manage the inadvertent collection of personally identifiable information (PII) which is regulated under the 4th Amendment of the US Constitution? If PII is inadvertently collected

but the data is owned by the state and publicly available, the state finds itself in potential jeopardy.

3. The draft legislation also refers to *“the inspection, operating, maintaining, or constructing critical infrastructure.”* The inclusion of the word “critical” creates risk for the end users the bill wishes to incentivize. There are regulatory connotations to defining “critical” infrastructure. I recommend that the word critical be removed and that UAS can be used for *“inspection, operating, maintaining, or constructing infrastructure.”*
4. Certain exceptions may need to be made for the use of UAS, Autonomous Vehicles and other Autonomous Systems in support of law enforcement, emergency management or medically regulated transportation. In these cases, collection of data may need to be protected and the systems may need to be owned by the entity using them. I am not an expert in this area, but such exceptions may be necessary.
5. HB1519 should seek to cause state agencies to HIRE North Dakota companies that can provide the services needed and use the grant funds to pay for those services. This approach alleviates nearly all the concerns raised in this document by placing the burden of managing the aircraft, pilots, maintenance, software, cameras, and other sensors and producing the final product on a private business that has been established in the state for this purpose. It reduces the burden on state agencies to hire people to be trained and certified in the use of UAS of Autonomous Systems.
6. Ultimately, the UAS industry and state agencies will benefit from larger grants. In the short term, the grants will offer the best incentive to hire

UAS operators and for agencies to learn how best to take advantage of their incredible capabilities. Rules for how data collected with these grants can be accessed by the public may need to be created. Investment into how to properly manage, store and make data available will be important for the continued growth in UAS and Autonomous Systems use. It would be tragic to make investments in UAS or Autonomous System use only to create a “data deluge” that requires investment in its management to become useful.

As one member of the North Dakota UAS ecosystem, I endorse and recommend passage of HB1519. I believe that despite the work required to effectively manage the grant program and to manage the resulting work / data that will be created using these systems, the potential upside is too great. HB1519 is an excellent step forward for the continued growth of the North Dakota UAS industry.

COMMISSIONER
DOUG GOEHRING



ndda@nd.gov
www.nd.gov/ndda

NORTH DAKOTA
DEPARTMENT OF AGRICULTURE
STATE CAPITOL
600 E. BOULEVARD AVE. – DEPT. 602
BISMARCK, ND 58505-0020

Testimony of Doug Goehring
Agriculture Commissioner
Senate Transportation Committee
Fort Totten Room
March 23, 2023

Chairman Clemens, and members of the Senate Transportation Committee, I am Agriculture Commissioner Doug Goehring and I'm here today in support of House Bill 1519 which would develop UAS grant program.

The grant funds from this bill could be used to support a project to target invasive noxious weeds in our counties. Our plan would be to support county weed boards in establishing county wide survey for invasive noxious weeds via aircraft. Areas found in survey would then be reviewed by the weed boards staff. If confirmed, then UAS would be used to spot spray affected areas to remove the noxious species. If this model is proven successful after initial grant, it would allow a model for other weed boards to utilize to more rapidly target invasive plant species.

Chairman Clemens, and committee members, thank you for your time and I'd be happy to answer any questions you may have.



P.O. Box 2747
Fargo, ND 58108

**HB 1519 Testimony in Support
Senate Transportation Committee
March 23, 2023**

Chairman Clemens and members of the Senate Transportation committee, I am Tony Grindberg, Principal Manager for Xcel Energy, North Dakota. We support HB 1519.

I am writing to express my support for House Bill 1519 and the allocation of funding to Unmanned Aircraft Systems (UAS) and autonomous technologies projects led by state agencies in North Dakota. UAS and autonomous technologies have the potential to bring numerous benefits to the state of North Dakota.

By way of background, Xcel Energy was the first utility in the nation (2016) to operate drones beyond-line-of-site for research and development, with approval from the Federal Aviation Administration. A year later Xcel Energy began a first-of-its-kind safety partnership with the FAA to research the safety operations of drone technology to inspect critical infrastructure. The ability to fly unmanned aircraft, or drones beyond the view of the pilot greatly enhances the efficiency, cost effectiveness and safety benefits of using this technology.

North Dakota is an excellent partner as the state has become a leader in advancing UAS technology. A few years ago, Xcel Energy and the University of North Dakota began a year-long research project using UAS technology to assess damage after severe weather events. Unmanned Aircraft Systems technology allows us to more quickly access damaged areas which dramatically reduces outage times and improves customer service.

Support for HB 1519 from natural resource management and agriculture to public safety and infrastructure inspection, mechanized autonomy increases efficiency and effectiveness in various industries.

In the oil and gas industry, UAS can help inspect pipelines, reducing the need for workers to physically inspect these structures and improving safety. In agriculture, UAS can provide farmers with real-time information about their crops, allowing them to make informed decisions about planting and harvest times, as well as identifying areas of their fields that may require additional attention.

Additionally, through this bill, autonomous technology can be used in greater volume for search and rescue missions, helping to locate missing individuals more quickly and effectively. Similar autonomous

methods can also be used to monitor natural disasters, such as wildfires or floods, providing critical information to first responders and allowing them to respond more effectively.

Given these benefits, I believe it is important that North Dakota allocate more funding to UAS projects led by state agencies. By doing so, North Dakota will not only improve the quality of services offered to its citizens, but it will also multiply the positive effects and North Dakota's investment in the Vantis network, cementing its position as a role model to the nation.

Thank you for your consideration of my testimony. I strongly encourage the appropriation committee to support House Bill 1519.

Please do not hesitate to reach out to me with any questions.

23.0898.04003

FIRST ENGROSSMENT

Sixty-eighth
Legislative Assembly
of North Dakota

ENGROSSED HOUSE BILL NO. 1519

Introduced by

Representatives Hagert, Nathe, O'Brien, Porter, Stemen

Senators Bekkedahl, Meyer, Weber

1 A BILL for an Act to provide appropriations to the ~~department of transportation, department of~~
2 ~~health and human services~~department of emergency services, department of career and
3 technical education, and department of agriculture, ~~and industrial commission~~ for uncrewed
4 aircraft system, autonomous vehicle, or other autonomous technology grants; and to provide a
5 report.

6 BE IT ENACTED BY THE LEGISLATIVE ASSEMBLY OF NORTH DAKOTA:

7 ~~SECTION 1. APPROPRIATION -- FEDERAL STATE FISCAL RECOVERY FUND --~~
8 ~~DEPARTMENT OF TRANSPORTATION -- ONE-TIME FUNDING -- REPORT TO LEGISLATIVE~~
9 ~~MANAGEMENT.~~

10 ~~1. There is appropriated from federal funds derived from the state fiscal recovery fund,~~
11 ~~not otherwise appropriated, the sum of \$250,000, or so much of the sum as may be~~
12 ~~necessary, to the department of transportation for the purpose of uncrewed aircraft~~
13 ~~system, autonomous vehicle, or other autonomous technology grants to political~~
14 ~~subdivisions, for the biennium beginning July 1, 2023, and ending June 30, 2025. The~~
15 ~~funding provided in this section is considered a one-time funding item.~~

16 ~~2. The department of transportation shall develop an application process and guidelines~~
17 ~~for the grants, including eligibility criteria, maximum grant awards, and matching~~
18 ~~requirements. The department of transportation may require a political subdivision to~~
19 ~~provide one dollar of matching funds for every four dollars awarded by the state. To be~~
20 ~~eligible for a grant, a political subdivision shall certify to the department of~~
21 ~~transportation that the operation of the uncrewed aircraft system, autonomous vehicle,~~
22 ~~or other autonomous technology is related to inspecting, operating, maintaining, or~~
23 ~~construction of critical infrastructure.~~

1 ~~3. A political subdivision may use grant funding to purchase or lease uncrewed aircraft~~
2 ~~systems, autonomous vehicles, or other autonomous technologies; to support the~~
3 ~~operations of uncrewed aircraft systems, autonomous vehicles, or other autonomous~~
4 ~~technologies; to contract for services related to uncrewed aircraft systems,~~
5 ~~autonomous vehicles, or other autonomous technologies; or for other eligible uses~~
6 ~~related to uncrewed aircraft system, autonomous vehicle, or other autonomous~~
7 ~~technology operations as determined by the department of transportation.~~

8 ~~4. During the 2023-24 interim, the department of transportation shall provide at least~~
9 ~~one report to the legislative management regarding the grants, including a list of grant~~
10 ~~recipients, the amounts awarded, and a description of the use of the grant funding.~~

11 **SECTION 1. APPROPRIATION - FEDERAL STATE FISCAL RECOVERY FUND -**
12 **~~DEPARTMENT OF HEALTH AND HUMAN SERVICES~~DEPARTMENT OF EMERGENCY**
13 **SERVICES - ONE-TIME FUNDING - REPORT TO LEGISLATIVE MANAGEMENT.**

- 14 1. There is appropriated from federal funds derived from the state fiscal recovery fund,
15 not otherwise appropriated, the sum of ~~\$250,000~~\$300,000, or so much of the sum as
16 may be necessary, to the ~~department of health and human services~~department of
17 emergency services for the purpose of uncrewed aircraft system, autonomous vehicle,
18 or other autonomous technology grants to emergency medical services providers, for
19 the biennium beginning July 1, 2023, and ending June 30, 2025. The funding provided
20 in this section is considered a one-time funding item.
- 21 2. The ~~department of health and human services~~department of emergency services shall
22 develop an application process and guidelines for the grants, including eligibility
23 criteria, maximum grant awards, and matching requirements. The ~~department of~~
24 ~~health and human services~~department of emergency services may require an
25 emergency medical services provider to provide one dollar of matching funds for every
26 four dollars awarded by the state. To be eligible for a grant, an emergency medical
27 services provider shall certify to the ~~department of health and human~~
28 ~~services~~department of emergency services that the operation of the uncrewed aircraft
29 system, autonomous vehicle, or other autonomous technology is related to providing
30 or enhancing emergency medical services in rural areas of the state.

- 1 3. An emergency medical services provider may use grant funding to purchase or lease
2 uncrewed aircraft systems, autonomous vehicles, or other autonomous technologies;
3 to support the operations of uncrewed aircraft systems, autonomous vehicles, or other
4 autonomous technologies; to contract for services related to uncrewed aircraft
5 systems, autonomous vehicles, or other autonomous technologies; or for other eligible
6 uses related to uncrewed aircraft system, autonomous vehicle, or other autonomous
7 technology operations as determined by the ~~department of health and human~~
8 ~~services~~department of emergency services.
- 9 4. During the 2023-24 interim, the ~~department of health and human services~~department
10 of emergency services shall provide at least one report to the legislative management
11 regarding the grants, including a list of grant recipients, the amounts awarded, and a
12 description of the use of the grant funding.

13 **SECTION 2. APPROPRIATION - FEDERAL STATE FISCAL RECOVERY FUND -**
14 **DEPARTMENT OF CAREER AND TECHNICAL EDUCATION - ONE-TIME FUNDING -**
15 **REPORT TO LEGISLATIVE MANAGEMENT.**

- 16 1. There is appropriated from federal funds derived from the state fiscal recovery fund,
17 not otherwise appropriated, the sum of ~~\$250,000~~\$500,000, or so much of the sum as
18 may be necessary, to the department of career and technical education for the
19 purpose of uncrewed aircraft system, autonomous vehicle, or other autonomous
20 technology grants to a workforce training center serving the northwest area of the
21 state, for the biennium beginning July 1, 2023, and ending June 30, 2025. The funding
22 provided in this section is considered a one-time funding item.
- 23 2. The department of career and technical education shall develop an application
24 process and guidelines for the grants, including eligibility criteria, maximum grant
25 awards, and matching requirements. The department of career and technical
26 education may require a workforce training center to provide one dollar of matching
27 funds for every four dollars awarded by the state. To be eligible for a grant, a
28 workforce training center shall certify to the department of career and technical
29 education that the operation of the uncrewed aircraft system, autonomous vehicle, or
30 other autonomous technology is related to workforce or educational training with
31 uncrewed aircraft systems, autonomous vehicles, or other autonomous technologies.

- 1 3. A workforce training center may use grant funding to purchase or lease uncrewed
2 aircraft systems, autonomous vehicles, or other autonomous technologies; to support
3 the operations of uncrewed aircraft systems, autonomous vehicles, or other
4 autonomous technologies; to contract for services related to uncrewed aircraft
5 systems, autonomous vehicles, or other autonomous technologies; for educational or
6 training curriculum expenses related to uncrewed aircraft systems, autonomous
7 vehicles, or other autonomous technologies; or for other eligible uses related to
8 uncrewed aircraft system, autonomous vehicle, or other autonomous technology
9 operations as determined by the department of career and technical education.
- 10 4. During the 2023-24 interim, the department of career and technical education shall
11 provide at least one report to the legislative management regarding the grants,
12 including a list of grant recipients, the amounts awarded, and a description of the use
13 of the grant funding.

14 **SECTION 3. APPROPRIATION - FEDERAL STATE FISCAL RECOVERY FUND -**
15 **DEPARTMENT OF AGRICULTURE - ONE-TIME FUNDING - REPORT TO LEGISLATIVE**
16 **MANAGEMENT.**

- 17 1. There is appropriated from federal funds derived from the state fiscal recovery fund,
18 not otherwise appropriated, the sum of ~~\$250,000~~\$300,000, or so much of the sum as
19 may be necessary, to the department of agriculture for the purpose of uncrewed
20 aircraft system, autonomous vehicle, or other autonomous technology grants to
21 individuals and entities in the agriculture industry, for the biennium beginning July 1,
22 2023, and ending June 30, 2025. The funding provided in this section is considered a
23 one-time funding item.
- 24 2. The department of agriculture shall develop an application process and guidelines for
25 the grants, including eligibility criteria, maximum grant awards, and matching
26 requirements. The department of agriculture may require an individual or entity to
27 provide one dollar of matching funds for every four dollars awarded by the state. To be
28 eligible for a grant, an individual or entity shall certify to the department of agriculture
29 that the operation of the uncrewed aircraft system, autonomous vehicle, or other
30 autonomous technology is related to inspecting, operating, maintaining, or
31 construction of agriculture property or infrastructure.

- 1 3. An individual or entity may use grant funding to purchase or lease uncrewed aircraft
2 systems, autonomous vehicles, or other autonomous technologies; to support the
3 operations of uncrewed aircraft systems, autonomous vehicles, or other autonomous
4 technologies; to contract for services related to uncrewed aircraft systems,
5 autonomous vehicles, or other autonomous technologies; or for other eligible uses
6 related to uncrewed aircraft system, autonomous vehicle, or other autonomous
7 technology operations as determined by the department of agriculture.
- 8 4. During the 2023-24 interim, the department of agriculture shall provide at least
9 one report to the legislative management regarding the grants, including a list of grant
10 recipients, the amounts awarded, and a description of the use of the grant funding.

11 ~~SECTION 5. APPROPRIATION - FEDERAL STATE FISCAL RECOVERY FUND -~~
12 ~~INDUSTRIAL COMMISSION - ONE-TIME FUNDING - REPORT TO LEGISLATIVE~~
13 ~~MANAGEMENT.~~

- 14 ~~1. There is appropriated from federal funds derived from the state fiscal recovery fund,~~
15 ~~not otherwise appropriated, the sum of \$250,000, or so much of the sum as may be~~
16 ~~necessary, to the industrial commission for the purpose of uncrewed aircraft system,~~
17 ~~autonomous vehicle, or other autonomous technology grants to individuals and entities~~
18 ~~in the oil and gas industry, for the biennium beginning July 1, 2023, and ending~~
19 ~~June 30, 2025. The funding provided in this section is considered a one-time funding~~
20 ~~item.~~
- 21 ~~2. The industrial commission shall develop an application process and guidelines for the~~
22 ~~grants, including eligibility criteria, maximum grant awards, and matching~~
23 ~~requirements. The industrial commission may require an individual or entity to provide~~
24 ~~one dollar of matching funds for every four dollars awarded by the state. To be eligible~~
25 ~~for a grant, an individual or entity shall certify to the industrial commission that the~~
26 ~~operation of the uncrewed aircraft system, autonomous vehicle, or other autonomous~~
27 ~~technology is related to inspecting, operating, maintaining, or construction of oil and~~
28 ~~gas infrastructure.~~
- 29 ~~3. An individual or entity may use grant funding to purchase or lease uncrewed aircraft~~
30 ~~systems, autonomous vehicles, or other autonomous technologies; to support the~~
31 ~~operations of uncrewed aircraft systems, autonomous vehicles, or other autonomous~~

1 ~~technologies; to contract for services related to uncrewed aircraft systems,~~
2 ~~autonomous vehicles, or other autonomous technologies; or for other eligible uses~~
3 ~~related to uncrewed aircraft system, autonomous vehicle, or other autonomous~~
4 ~~technology operations as determined by the industrial commission.~~
5 ~~4. During the 2023-24 interim, the industrial commission shall provide at least one report~~
6 ~~to the legislative management regarding the grants, including a list of grant recipients,~~
7 ~~the amounts awarded, and a description of the use of the grant funding.~~

PROPOSED AMENDMENTS TO ENGROSSED HOUSE BILL NO. 1519

That the Senate recede from its amendments as printed on pages 1682-1685 of the House Journal and pages 1435-1437 of the Senate Journal and that Engrossed House Bill No. 1519 be amended as follows:

Page 1, line 1, remove "department of transportation, department of"

Page 1, line 2, replace "health and human services" with "department of emergency services"

Page 1, line 2, after the second comma insert "and"

Page 1, line 3, remove ", and industrial commission"

Page 1, remove lines 6 through 24

Page 2, remove lines 1 through 8

Page 2, line 10, replace "**DEPARTMENT OF HEALTH AND HUMAN SERVICES**" with "**DEPARTMENT OF EMERGENCY SERVICES**"

Page 2, line 13, replace "\$250,000" with "\$300,000"

Page 2, line 14, replace "department of health and human services" with "department of emergency services"

Page 2, line 19, replace "department of health and human services" with "department of emergency services"

Page 2, line 21, replace "department of health and human services" with "department of emergency services"

Page 2, line 24, replace "department of health and human services" with "department of emergency services"

Page 3, line 3, remove "department of health and human"

Page 3, line 4, replace "services" with "department of emergency services"

Page 3, line 5, replace "department of health and human services" with "department of emergency services"

Page 3, line 13, replace "\$250,000" with "\$500,000"

Page 4, line 14, replace "\$250,000" with "\$300,000"

Page 5, remove lines 7 through 31

Page 6, remove lines 1 through 3

Re-number accordingly

STATEMENT OF PURPOSE OF AMENDMENT:

House Bill No. 1519 - Summary of Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Dept. of Career and Technical Education | | | | | | |
| Total all funds | \$0 | \$250,000 | \$250,000 | \$500,000 | \$750,000 | (\$250,000) |
| Less estimated income | 0 | 250,000 | 250,000 | 500,000 | 750,000 | (250,000) |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DHHS - Other | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Industrial Commission | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Emergency Services | | | | | | |
| Total all funds | \$0 | \$0 | \$300,000 | \$300,000 | \$0 | \$300,000 |
| Less estimated income | 0 | 0 | 300,000 | 300,000 | 0 | 300,000 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Agriculture | | | | | | |
| Total all funds | \$0 | \$250,000 | \$50,000 | \$300,000 | \$0 | \$300,000 |
| Less estimated income | 0 | 250,000 | 50,000 | 300,000 | 0 | 300,000 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Transportation | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Bill total | | | | | | |
| Total all funds | \$0 | \$1,250,000 | (\$150,000) | \$1,100,000 | \$750,000 | \$350,000 |
| Less estimated income | 0 | 1,250,000 | (150,000) | 1,100,000 | 750,000 | 350,000 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

House Bill No. 1519 - Dept. of Career and Technical Education - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | \$250,000 | \$500,000 | \$750,000 | (\$250,000) |
| Total all funds | \$0 | \$250,000 | \$250,000 | \$500,000 | \$750,000 | (\$250,000) |
| Less estimated income | 0 | 250,000 | 250,000 | 500,000 | 750,000 | (250,000) |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 270 - Dept. of Career and Technical Education - Detail of Conference Committee Changes

| | Adjusts Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|---|
| Unmanned aircraft system grants | \$250,000 | \$250,000 |
| Total all funds | \$250,000 | \$250,000 |
| Less estimated income | 250,000 | 250,000 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding is increased by \$250,000 from federal funds derived from the federal State Fiscal Recovery Fund to provide a total of \$500,000 to the Department of Career and Technical Education for autonomous technology grants. The House provided \$250,000, and the Senate provided \$750,000 for the grants.

House Bill No. 1519 - DHHS - Other - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|----------------|------------------|------------------------------------|------------------------------------|-------------------|-------------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 325 - DHHS - Other - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|---|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the federal State Fiscal Recovery Fund to the Department of Health and Human Services is removed for autonomous technology grants. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Industrial Commission - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|----------------|------------------|------------------------------------|------------------------------------|-------------------|-------------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 405 - Industrial Commission - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants¹ | Total Conference Committee Changes |
|---------------------------------|---|---|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the federal State Fiscal Recovery Fund to the Industrial Commission is removed for autonomous technology grants. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Department of Emergency Services - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|--------------------|----------------------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------|
| Unmanned aircraft system grants | | | \$300,000 | \$300,000 | | \$300,000 |
| Total all funds | \$0 | \$0 | \$300,000 | \$300,000 | \$0 | \$300,000 |
| Less estimated income | 0 | 0 | 300,000 | 300,000 | 0 | 300,000 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 542 - Department of Emergency Services - Detail of Conference Committee Changes

| | Adds Funding for UAS Grants¹ | Total Conference Committee Changes |
|---------------------------------|--|---|
| Unmanned aircraft system grants | \$300,000 | \$300,000 |
| Total all funds | \$300,000 | \$300,000 |
| Less estimated income | 300,000 | 300,000 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$300,000 from federal funds derived from the federal State Fiscal Recovery Fund to the Department of Emergency Services is added for autonomous technology grants related to rural emergency medical services. The House provided \$250,000 to the Department of Health and Human Services for the grants, and the Senate removed the funding.

House Bill No. 1519 - Department of Agriculture - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|--------------------|----------------------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------|
| Unmanned aircraft system grants | | \$250,000 | \$50,000 | \$300,000 | | \$300,000 |
| Total all funds | \$0 | \$250,000 | \$50,000 | \$300,000 | \$0 | \$300,000 |
| Less estimated income | 0 | 250,000 | 50,000 | 300,000 | 0 | 300,000 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 602 - Department of Agriculture - Detail of Conference Committee Changes

| | Adjusts Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|---|
| Unmanned aircraft system grants | \$50,000 | \$50,000 |
| Total all funds | \$50,000 | \$50,000 |
| Less estimated income | 50,000 | 50,000 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$50,000 from federal funds derived from the federal State Fiscal Recovery Fund to the Department of Agriculture is added for autonomous technology grants to provide total funding of \$300,000. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Department of Transportation - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|----------------|------------------|------------------------------------|------------------------------------|-------------------|-------------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 801 - Department of Transportation - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|---|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the federal State Fiscal Recovery Fund to the Department of Transportation is removed for autonomous technology grants. The House provided \$250,000, and the Senate removed the funding.

23.0898.04004
 Title.
 Fiscal No. 3

Prepared by the Legislative Council staff for
 Representative O'Brien
 April 25, 2023

PROPOSED AMENDMENTS TO ENGROSSED HOUSE BILL NO. 1519

That the Senate recede from its amendments as printed on pages 1682-1685 of the House Journal and pages 1435-1437 of the Senate Journal and that Engrossed House Bill No. 1519 be amended as follows:

Page 1, line 1, remove "department of transportation, department of"

Page 1, line 2, remove "health and human services,"

Page 1, line 2, replace ", department of" with "and"

Page 1, line 3, replace ", and industrial commission" with "commissioner"

Page 1, remove lines 6 through 24

Page 2, remove lines 1 through 31

Page 3, remove lines 1 through 8

Page 3, line 13, replace "\$250,000" with "\$487,500"

Page 3, line 17, after the period insert "Of the funding appropriated in this section, the department of career and technical education may use up to \$12,500 for the administration of the grant program."

Page 3, line 28, remove "to purchase or lease uncrewed"

Page 3, remove lines 29 and 30

Page 3, line 31, remove "autonomous technologies;"

Page 4, line 11, remove "**DEPARTMENT OF**"

Page 4, line 11, after "**AGRICULTURE**" insert "**COMMISSIONER**"

Page 4, line 14, replace "\$250,000" with "\$287,500"

Page 4, line 15, remove "department of"

Page 4, line 15, after "agriculture" insert "commissioner"

Page 4, line 18, after the period insert "Of the funding appropriated in this section, the agriculture commissioner may use up to \$12,500 for the administration of the grant program."

Page 4, line 20, remove "department of"

Page 4, line 20, after "agriculture" insert "commissioner"

Page 4, line 22, remove "department of"

Page 4, line 22, after "agriculture" insert "commissioner"

Page 4, line 24, remove "department of"

Page 4, line 24, after "agriculture" insert "commissioner"

Page 4, line 28, remove "to purchase or lease uncrewed aircraft"

Page 4, remove lines 29 and 30

Page 4, line 31, remove "technologies;"

Page 5, line 3, remove "department of"

Page 5, line 3, after "agriculture" insert "commissioner"

Page 5, line 4, remove "department of"

Page 5, line 4, after "agriculture" insert "commissioner"

Page 5, remove lines 7 through 31

Page 6, remove lines 1 through 3

Reorder accordingly

STATEMENT OF PURPOSE OF AMENDMENT:

House Bill No. 1519 - Summary of Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Dept. of Career and Technical Education | | | | | | |
| Total all funds | \$0 | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Less estimated income | 0 | 250,000 | 237,500 | 487,500 | 750,000 | (262,500) |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DHHS - Other | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Industrial Commission | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Emergency Services | | | | | | |
| Total all funds | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 0 | 0 | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Agriculture | | | | | | |
| Total all funds | \$0 | \$250,000 | \$37,500 | \$287,500 | \$0 | \$287,500 |
| Less estimated income | 0 | 250,000 | 37,500 | 287,500 | 0 | 287,500 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Department of Transportation | | | | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | |
|-----------------------|------|-------------|-------------|-----------|-----------|----------|
| Bill total | | | | | | |
| Total all funds | \$0 | \$1,250,000 | (\$475,000) | \$775,000 | \$750,000 | \$25,000 |
| Less estimated income | 0 | 1,250,000 | (475,000) | 775,000 | 750,000 | 25,000 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

House Bill No. 1519 - Dept. of Career and Technical Education - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Total all funds | \$0 | \$250,000 | \$237,500 | \$487,500 | \$750,000 | (\$262,500) |
| Less estimated income | 0 | 250,000 | 237,500 | 487,500 | 750,000 | (262,500) |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 270 - Dept. of Career and Technical Education - Detail of Conference Committee Changes

| | Adjusts Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | \$237,500 | \$237,500 |
| Total all funds | \$237,500 | \$237,500 |
| Less estimated income | 237,500 | 237,500 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$237,500 is added from federal funds derived from the State Fiscal Recovery Fund to the Department of Career and Technical Education for autonomous technology grants to provide total funding of \$487,500. Of this amount, up to \$12,500 may be used for the administration of the grant program. The House provided \$250,000, and the Senate provided \$750,000 for the grants.

House Bill No. 1519 - DHHS - Other - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 325 - DHHS - Other - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Department of Health and Human Services for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Industrial Commission - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 405 - Industrial Commission - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|------------------------------------|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Industrial Commission for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Department of Agriculture - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|-------------|---------------|------------------------------|------------------------------|----------------|----------------------|
| Unmanned aircraft system grants | | \$250,000 | \$37,500 | \$287,500 | | \$287,500 |
| Total all funds | \$0 | \$250,000 | \$37,500 | \$287,500 | \$0 | \$287,500 |
| Less estimated income | 0 | 250,000 | 37,500 | 287,500 | 0 | 287,500 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 602 - Department of Agriculture - Detail of Conference Committee Changes

| | Adjusts Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|---|
| Unmanned aircraft system grants | \$37,500 | \$37,500 |
| Total all funds | \$37,500 | \$37,500 |
| Less estimated income | 37,500 | 37,500 |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$37,500 is added from federal funds derived from the State Fiscal Recovery Fund to the Agriculture Commissioner for autonomous technology grants to provide total funding of \$287,500. Of this amount, up to \$12,500 may be used for the administration of the grant program. The House provided \$250,000, and the Senate removed the funding.

House Bill No. 1519 - Department of Transportation - Conference Committee Action

| | Base Budget | House Version | Conference Committee Changes | Conference Committee Version | Senate Version | Comparison to Senate |
|---------------------------------|----------------|------------------|------------------------------------|------------------------------------|-------------------|-------------------------|
| Unmanned aircraft system grants | | \$250,000 | (\$250,000) | | | |
| Total all funds | \$0 | \$250,000 | (\$250,000) | \$0 | \$0 | \$0 |
| Less estimated income | 0 | 250,000 | (250,000) | 0 | 0 | 0 |
| General fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FTE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Department 801 - Department of Transportation - Detail of Conference Committee Changes

| | Removes Funding for UAS Grants ¹ | Total Conference Committee Changes |
|---------------------------------|---|---|
| Unmanned aircraft system grants | (\$250,000) | (\$250,000) |
| Total all funds | (\$250,000) | (\$250,000) |
| Less estimated income | (250,000) | (250,000) |
| General fund | \$0 | \$0 |
| FTE | 0.00 | 0.00 |

¹ Funding of \$250,000 from federal funds derived from the State Fiscal Recovery Fund to the Department of Transportation for autonomous technology grants is removed. The House provided \$250,000, and the Senate removed the funding.

Section __. Legislative Management Study – Uncrewed Autonomous Systems

During the 2023-2024 interim, the legislative management shall consider studying the utilization of existing autonomous systems capabilities and infrastructure to provide solutions to workforce and safety needs across the state. The study must include an analysis of utilizing autonomous technology for infrastructure inspection, rural emergency services needs, agricultural advancements, energy industry application, and additional opportunities for collaboration utilizing autonomous systems technology. The legislative management shall report its findings and recommendations, together with any legislation required to implement the recommendations, to the sixty-ninth legislative assembly.

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