

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University Transportation Center - Region 8
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	59
Graduate Courses	<u>111</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	40
Graduate Students	<u>106</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	11
Doctoral Level Programs	<u>21</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	27
Master's Student	<u>37</u>
Doctoral Student	<u>74</u>

5. Number of student supported by this grant who received degrees.

Undergraduate Students	12
Master's Level Programs	<u>26</u>
Doctoral Level Programs	<u>19</u>

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	106	
Dollar value of applied research projects	\$9,786,543.00	
Number of advanced research projects	0	
Dollar value of advanced research projects	\$0.00	
Total Research Projects	106	
Total Dollar Value of Research Projects	\$9,786,543.00	

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	106
2. Total matching dollar leveraged for research.	\$9,786,543.00
3. Number of faculty members involved in research projects.	55
4. Number of undergraduate students involved in UTC-funded research projects.	40
5. Number of master's degree students involved in UTC-funded research projects.	35
6. Number of doctoral students involved in UTC-funded research projects.	75
7. Number of peer reviewed MPC research reports published.	33
8. Number of peer-reviewed journal articles published by faculty.	160
9. Number of peer-reviewed conference papers published by faculty.	74
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	152

Leadership

1. Number of journal editions published by MPC Universities.	55
2. Number of MPC faculty serving on editorial board of journals.	28
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	47
4. Number of awards received by MPC faculty or programs.	16
5. Number of conferences and workshops help or sponsored by MPC Universities.	24

6. Number of unique organizations represented at MPC sponsored conferences and workshops.	<u>158</u>
7. Number of individuals attending MPC conferences and workshops.	<u>1,210</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>99</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>64</u>
Graduate Courses	<u>108</u>
Total	<u>172</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>41</u>
Graduate Students	<u>110</u>
Total	<u>151</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>11</u>
Doctoral Level Programs	<u>23</u>
Total	<u>34</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>36</u>
Doctoral Level Student Stipends	<u>73</u>
Total	<u>109</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>14</u>
Doctoral Level Student Stipends	<u>18</u>
Total	<u>32</u>

6. Number of outreach events conducted for K-12 audiences.

<u>1</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>52</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>394</u>

2. Number of transportation professionals participating in those events.

<u>2994</u>

3. Number of annual reports and newsletters published.

<u>19</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>15</u>
2. Number of projects involving faculty or students from more than one university.	<u>6</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>2</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>4</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>36</u>

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
North Dakota State University
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	0
Graduate Courses	28

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	5
Graduate Students	23

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	2
Doctoral Level Programs	1

4. Number of graduate students supported by this grant.

Undergraduate Students	5
Master's Student	5
Doctoral Student	23

5. Number of student supported by this grant who received degrees.

Undergraduate Students	5
Master's Level Programs	3
Doctoral Level Programs	9

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	10
Dollar value of applied research projects	\$2,665,636.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	10
2. Total matching dollar leveraged for research.	\$2,665,636.00
3. Number of faculty members involved in research projects.	9
4. Number of undergraduate students involved in UTC-funded research projects.	5
5. Number of master's degree students involved in UTC-funded research projects.	5
6. Number of doctoral students involved in UTC-funded research projects.	23
7. Number of peer reviewed MPC research reports published.	10
8. Number of peer-reviewed journal articles published by faculty.	59
9. Number of peer-reviewed conference papers published by faculty.	36
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	61

Leadership

1. Number of journal editions published by MPC Universities.	37
2. Number of MPC faculty serving on editorial board of journals.	14
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	11
4. Number of awards received by MPC faculty or programs.	4
5. Number of conferences and workshops help or sponsored by MPC Universities.	4
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	11

7. Number of individuals attending MPC conferences and workshops.	<u>440</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>35</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>0</u>
Graduate Courses	<u>28</u>
Total	<u>28</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>5</u>
Graduate Students	<u>23</u>
Total	<u>28</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>2</u>
Doctoral Level Programs	<u>1</u>
Total	<u>3</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>5</u>
Doctoral Level Student Stipends	<u>23</u>
Total	<u>28</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>5</u>
Doctoral Level Student Stipends	<u>9</u>
Total	<u>14</u>

6. Number of outreach events conducted for K-12 audiences.

<u>0</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>28</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>350</u>

2. Number of transportation professionals participating in those events.

<u>2428</u>

3. Number of annual reports and newsletters published.

<u>13</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>4</u>
2. Number of projects involving faculty or students from more than one university.	<u>3</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>0</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>3</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>0</u>

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
Colorado State University
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>4</u>
Graduate Courses	<u>8</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>13</u>
Graduate Students	<u>15</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>1</u>
Master's Student	<u>3</u>
Doctoral Student	<u>8</u>

5. Number of student supported by this grant who received degrees.

Undergraduate Students	<u>1</u>
Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	18
Dollar value of applied research projects	\$1,429,074.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	18
2. Total matching dollar leveraged for research.	\$1,429,074.00
3. Number of faculty members involved in research projects.	5
4. Number of undergraduate students involved in UTC-funded research projects.	13
5. Number of master's degree students involved in UTC-funded research projects.	3
6. Number of doctoral students involved in UTC-funded research projects.	12
7. Number of peer reviewed MPC research reports published.	2
8. Number of peer-reviewed journal articles published by faculty.	22
9. Number of peer-reviewed conference papers published by faculty.	4
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	23

Leadership

1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	6
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	6
4. Number of awards received by MPC faculty or programs.	6
5. Number of conferences and workshops help or sponsored by MPC Universities.	1
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	0

7. Number of individuals attending MPC conferences and workshops.	<u>1</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>15</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>4</u>
Graduate Courses	<u>8</u>
Total	<u>12</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>13</u>
Graduate Students	<u>15</u>
Total	<u>28</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>
Total	<u>2</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>3</u>
Doctoral Level Student Stipends	<u>8</u>
Total	<u>11</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>1</u>
Doctoral Level Student Stipends	<u>1</u>
Total	<u>2</u>

6. Number of outreach events conducted for K-12 audiences.

<u>1</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>0</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>0</u>

2. Number of transportation professionals participating in those events.

<u>0</u>

3. Number of annual reports and newsletters published.

<u>0</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>1</u>
2. Number of projects involving faculty or students from more than one university.	<u>0</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>0</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>0</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>0</u>

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
South Dakota State University
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	16
Graduate Courses	10

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	2
Graduate Students	13

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	1
Doctoral Level Programs	1

4. Number of graduate students supported by this grant.

Undergraduate Students	2
Master's Student	10
Doctoral Student	3

5. Number of student supported by this grant who received degrees.

Undergraduate Students	1
Master's Level Programs	4
Doctoral Level Programs	0

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	12
Dollar value of applied research projects	\$1,030,552.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	12
2. Total matching dollar leveraged for research.	\$1,030,552.00
3. Number of faculty members involved in research projects.	9
4. Number of undergraduate students involved in UTC-funded research projects.	2
5. Number of master's degree students involved in UTC-funded research projects.	10
6. Number of doctoral students involved in UTC-funded research projects.	3
7. Number of peer reviewed MPC research reports published.	0
8. Number of peer-reviewed journal articles published by faculty.	1
9. Number of peer-reviewed conference papers published by faculty.	0
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	1

Leadership

1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	1
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	5
4. Number of awards received by MPC faculty or programs.	4
5. Number of conferences and workshops help or sponsored by MPC Universities.	1
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	0

7. Number of individuals attending MPC conferences and workshops.	<u>0</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>6</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>16</u>
Graduate Courses	<u>10</u>
Total	<u>26</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>2</u>
Graduate Students	<u>13</u>
Total	<u>15</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>
Total	<u>2</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>10</u>
Doctoral Level Student Stipends	<u>3</u>
Total	<u>13</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>4</u>
Doctoral Level Student Stipends	<u>0</u>
Total	<u>4</u>

6. Number of outreach events conducted for K-12 audiences.

<u>0</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>1</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>0</u>

2. Number of transportation professionals participating in those events.

<u>0</u>

3. Number of annual reports and newsletters published.

<u>0</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>1</u>
2. Number of projects involving faculty or students from more than one university.	<u>0</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>1</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>0</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>0</u>

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Colorado Denver
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	3
Graduate Courses	14

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	1
Graduate Students	12

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	3
Doctoral Level Programs	3

4. Number of graduate students supported by this grant.

Undergraduate Students	1
Master's Student	6
Doctoral Student	6

5. Number of student supported by this grant who received degrees.

Undergraduate Students	0
Master's Level Programs	2
Doctoral Level Programs	1

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	14
Dollar value of applied research projects	\$861,043.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	14
2. Total matching dollar leveraged for research.	\$861,043.00
3. Number of faculty members involved in research projects.	11
4. Number of undergraduate students involved in UTC-funded research projects.	1
5. Number of master's degree students involved in UTC-funded research projects.	6
6. Number of doctoral students involved in UTC-funded research projects.	6
7. Number of peer reviewed MPC research reports published.	4
8. Number of peer-reviewed journal articles published by faculty.	39
9. Number of peer-reviewed conference papers published by faculty.	15
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	30

Leadership

1. Number of journal editions published by MPC Universities.	1
2. Number of MPC faculty serving on editorial board of journals.	2
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	7
4. Number of awards received by MPC faculty or programs.	2
5. Number of conferences and workshops help or sponsored by MPC Universities.	0
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	0

7. Number of individuals attending MPC conferences and workshops.	<u>0</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>15</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>3</u>
Graduate Courses	<u>14</u>
Total	<u>17</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>1</u>
Graduate Students	<u>12</u>
Total	<u>13</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>3</u>
Doctoral Level Programs	<u>3</u>
Total	<u>6</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>5</u>
Doctoral Level Student Stipends	<u>5</u>
Total	<u>10</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>1</u>
Doctoral Level Student Stipends	<u>1</u>
Total	<u>2</u>

6. Number of outreach events conducted for K-12 audiences.

<u>0</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>6</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>0</u>

2. Number of transportation professionals participating in those events.

<u>0</u>

3. Number of annual reports and newsletters published.

<u>0</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>3</u>
2. Number of projects involving faculty or students from more than one university.	<u>2</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>0</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>1</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>0</u>

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Denver
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>1</u>
Graduate Courses	<u>26</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>1</u>
Graduate Students	<u>5</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>0</u>
Master's Student	<u>3</u>
Doctoral Student	<u>2</u>

5. Number of student supported by this grant who received degrees.

Undergraduate Students	<u>0</u>
Master's Level Programs	<u>13</u>
Doctoral Level Programs	<u>1</u>

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	4
Dollar value of applied research projects	\$649,078.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	4
2. Total matching dollar leveraged for research.	\$649,078.00
3. Number of faculty members involved in research projects.	2
4. Number of undergraduate students involved in UTC-funded research projects.	1
5. Number of master's degree students involved in UTC-funded research projects.	3
6. Number of doctoral students involved in UTC-funded research projects.	2
7. Number of peer reviewed MPC research reports published.	1
8. Number of peer-reviewed journal articles published by faculty.	0
9. Number of peer-reviewed conference papers published by faculty.	0
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	0

Leadership

1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	1
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	1
4. Number of awards received by MPC faculty or programs.	0
5. Number of conferences and workshops help or sponsored by MPC Universities.	0
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	0

7. Number of individuals attending MPC conferences and workshops.	<u>131</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>0</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>6</u>
Graduate Courses	<u>23</u>
Total	<u>29</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>0</u>
Graduate Students	<u>5</u>
Total	<u>5</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>0</u>
Total	<u>1</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>3</u>
Doctoral Level Student Stipends	<u>2</u>
Total	<u>5</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>0</u>
Doctoral Level Student Stipends	<u>0</u>
Total	<u>0</u>

6. Number of outreach events conducted for K-12 audiences.

<u>0</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>6</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>7</u>

2. Number of transportation professionals participating in those events.

<u>131</u>

3. Number of annual reports and newsletters published.

<u>0</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>2</u>
2. Number of projects involving faculty or students from more than one university.	<u>1</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>1</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>0</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>0</u>

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Utah
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	13
Graduate Courses	9

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	0
Graduate Students	16

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	1
Doctoral Level Programs	12

4. Number of graduate students supported by this grant.

Undergraduate Students	0
Master's Student	1
Doctoral Student	15

5. Number of student supported by this grant who received degrees.

Undergraduate Students	0
Master's Level Programs	2
Doctoral Level Programs	3

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	20
Dollar value of applied research projects	\$1,145,901.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	20
2. Total matching dollar leveraged for research.	\$1,145,901.00
3. Number of faculty members involved in research projects.	8
4. Number of undergraduate students involved in UTC-funded research projects.	0
5. Number of master's degree students involved in UTC-funded research projects.	1
6. Number of doctoral students involved in UTC-funded research projects.	14
7. Number of peer reviewed MPC research reports published.	10
8. Number of peer-reviewed journal articles published by faculty.	11
9. Number of peer-reviewed conference papers published by faculty.	14
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	17

Leadership

1. Number of journal editions published by MPC Universities.	17
2. Number of MPC faculty serving on editorial board of journals.	1
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	6
4. Number of awards received by MPC faculty or programs.	0
5. Number of conferences and workshops help or sponsored by MPC Universities.	0
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	5

7. Number of individuals attending MPC conferences and workshops.	<u>5</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>17</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>13</u>
Graduate Courses	<u>9</u>
Total	<u>22</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>2</u>
Graduate Students	<u>16</u>
Total	<u>18</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>15</u>
Total	<u>16</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>1</u>
Doctoral Level Student Stipends	<u>15</u>
Total	<u>16</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>2</u>
Doctoral Level Student Stipends	<u>3</u>
Total	<u>5</u>

6. Number of outreach events conducted for K-12 audiences.

<u>0</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>3</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>1</u>

2. Number of transportation professionals participating in those events.

<u>70</u>

3. Number of annual reports and newsletters published.

<u>4</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>2</u>
2. Number of projects involving faculty or students from more than one university.	<u>0</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>0</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>0</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>0</u>

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
Utah State University
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>9</u>
Graduate Courses	<u>7</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>16</u>
Graduate Students	<u>15</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>

4. Number of graduate students supported by this grant.

Undergraduate Students	<u>16</u>
Master's Student	<u>5</u>
Doctoral Student	<u>10</u>

5. Number of student supported by this grant who received degrees.

Undergraduate Students	<u>5</u>
Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>2</u>

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	15
Dollar value of applied research projects	\$861,043.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	15
2. Total matching dollar leveraged for research.	\$861,043.00
3. Number of faculty members involved in research projects.	8
4. Number of undergraduate students involved in UTC-funded research projects.	16
5. Number of master's degree students involved in UTC-funded research projects.	5
6. Number of doctoral students involved in UTC-funded research projects.	10
7. Number of peer reviewed MPC research reports published.	1
8. Number of peer-reviewed journal articles published by faculty.	3
9. Number of peer-reviewed conference papers published by faculty.	2
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	5

Leadership

1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	2
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	8
4. Number of awards received by MPC faculty or programs.	0
5. Number of conferences and workshops help or sponsored by MPC Universities.	0
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	8

7. Number of individuals attending MPC conferences and workshops.	<u>271</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>0</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>9</u>
Graduate Courses	<u>7</u>
Total	<u>16</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>16</u>
Graduate Students	<u>15</u>
Total	<u>31</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>
Total	<u>2</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>5</u>
Doctoral Level Student Stipends	<u>10</u>
Total	<u>15</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>1</u>
Doctoral Level Student Stipends	<u>2</u>
Total	<u>3</u>

6. Number of outreach events conducted for K-12 audiences.

<u>0</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>7</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>18</u>

2. Number of transportation professionals participating in those events.

<u>3</u>

3. Number of annual reports and newsletters published.

<u>0</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>1</u>
2. Number of projects involving faculty or students from more than one university.	<u>0</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>0</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>0</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>18</u>

University Transportation Centers Program Performance Indicators
Mountain-Plains Consortium
University of Wyoming
FASTACT 69A3551747108 (MPC-533 - MPC-645)
October 1, 2019 - September 30, 2020

Performance Indicators

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	13
Graduate Courses	9

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	2
Graduate Students	7

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	1
Doctoral Level Programs	1

4. Number of graduate students supported by this grant.

Undergraduate Students	2
Master's Student	4
Doctoral Student	7

5. Number of student supported by this grant who received degrees.

Undergraduate Students	0
Master's Level Programs	0
Doctoral Level Programs	2

6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research.

Number of applied research projects	13
Dollar value of applied research projects	\$1,144,216.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

UTC Specific Indicators

Research

1. Number of transportation research projects selected.	13
2. Total matching dollar leveraged for research.	\$1,144,216.00
3. Number of faculty members involved in research projects.	3
4. Number of undergraduate students involved in UTC-funded research projects.	2
5. Number of master's degree students involved in UTC-funded research projects.	2
6. Number of doctoral students involved in UTC-funded research projects.	5
7. Number of peer reviewed MPC research reports published.	5
8. Number of peer-reviewed journal articles published by faculty.	25
9. Number of peer-reviewed conference papers published by faculty.	3
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	15

Leadership

1. Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	1
3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, ASCE, ITE, etc.	3
4. Number of awards received by MPC faculty or programs.	0
5. Number of conferences and workshops help or sponsored by MPC Universities.	18
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	134

7. Number of individuals attending MPC conferences and workshops.	<u>362</u>
8. Number of peer-reviewed journal articles and conference papers presented.	<u>11</u>

Education and Workforce Development

1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.

Undergraduate Courses	<u>13</u>
Graduate Courses	<u>9</u>
Total	<u>22</u>

2. Number of students participating in transportation research projects funded by this grant.

Undergraduate Students	<u>2</u>
Graduate Students	<u>11</u>
Total	<u>13</u>

3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.

Master's Level Programs	<u>1</u>
Doctoral Level Programs	<u>1</u>
Total	<u>2</u>

4. Number of graduate students supported by this grant.

Master's Level Student Stipends	<u>4</u>
Doctoral Level Student Stipends	<u>7</u>
Total	<u>11</u>

5. Number of student supported by this grant who received degrees.

Master's Level Student Stipends	<u>0</u>
Doctoral Level Student Stipends	<u>2</u>
Total	<u>2</u>

6. Number of outreach events conducted for K-12 audiences.

<u>0</u>

7. Number of graduate courses (included in measure one) that are offered online.

<u>1</u>

Technology Transfer

1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.

<u>18</u>

2. Number of transportation professionals participating in those events.

<u>362</u>

3. Number of annual reports and newsletters published.

<u>2</u>

Collaboration

1. Number of internal meetings, videoconferences, or telephone conferences of the MPC executive committee to discuss program administration and plans for collaboration among the universities.	<u>1</u>
2. Number of projects involving faculty or students from more than one university.	<u>0</u>
3. Number of students participating in MPC graduate student symposia.	<u>0</u>
4. Number of faculty members who hold affiliated faculty status at other MPC universities.	<u>0</u>
5. Number of collaborative research projects involving faculty and students from more than one MPC university.	<u>0</u>
6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.	<u>18</u>