University Transportation Centers Program Performance Indicators

UTC Name: Region 8 - Mountain-Plains Consortium
University: North Dakota State University
Grant #: FASTACT 69A3551747108 (MPC-533 – MPC-701)
Reporting Period: October 1, 2022 - September 30, 2023

Performance Indicators	Consortium	Colorado State University	North Dakota State University	South Dakota State University	University of Colorado Denver	University of Denver	University of Utah	University of Wyoming	Utah State University
	Total	CSU	NDSU	SDSU	UCD	UD	UU	UW	USU
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	74	1	15	15	6	6	9	12	10
Graduate courses	75	1	6	8	14	21	8		9
Number of students participating in transportation research projects during the reporting period funded by this grant									
Undergraduate students in research	49	19	6	3	0	0	3	0	
Graduate students in research	148	23	16	25	18	9	18	23	16
3. Number of transportation-related advanced degree programs that utilize grant funds during the reporting period to support graduate students									
Masters level programs	24	4	1	5	3	1	7	1	2
Doctoral level programs	29	4	1	4	3	1	13	1	2
4. Number of students supported by this grant during the reporting period									
Undergraduate students	24	0	6	3	4	0	1	0	10
Masters students	59	5	0	18	9	3	7	8	9
Doctoral students	90	18	16	7	9	7	11	15	
5. Number of students supported by this grant who received degrees during the reporting period									
Undergraduate degrees	9	0	0	3	0	0	0	0	(
Masters degrees	42	3	5	5	6	5	3	8	
Doctoral degrees	44	4	6	2	12	0	2	15	
<ol> <li>Number and total dollar value of research projects selected for funding during the reporting period using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research</li> </ol>									
Number of applied research projects	168	28	14	18	22	7	35	20	24
	\$ 15,584,200.00	\$ 1,708,587.00	\$ 4,070,355.00	\$ 1,708,587.00	\$ 1,708,587.00	\$ 1,212,298.00	\$ 1,758,612.00	\$ 1,708,587.00	\$ 1,708,587.00
Number of advanced research projects	0	0	0	0	0	0	0	0	
Dollar value of advanced research projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Research Projects	168								
Total Dollar Value of Research Projects	\$ 15,584,200.00								

### University Transportation Centers Program Performance Indicators Mountain-Plains Consortium

### University Transportation Center - Region 8 FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2022 - September 30, 2023

### **Performance Indicators**

Number of transportation-related courses offered during the re assistants who are associated with the UTC.	eporting period that were taught by faculty and/or teaching
Undergraduate Courses	7.4
Graduate Courses	75
2.00.000	
2. Number of students participating in transportation research pro	ojects funded by this grant.
Undergraduate Students	49
Graduate Students	148
Number of transportation-related advance degree programs th	at utilize grant funds to support graduate students.
Master's Level Programs	24
Doctoral Level Programs	29
Number of graduate students supported by this grant.	
Undergraduate Students	24
Master's Students	59
Doctoral Students	90
5. Number of student supported by this grant who received degree	ees.
Undergraduate Students	9
Master's Level Programs	42
Doctoral Level Programs	44
Number and total dollar value of research projected selected for Share) that you consider to be applied research and advanced re	
Number of applied research projects	168
Dollar value of applied research projects	\$15,584,200.00
Number of advanced research projects	0

\$0.00

\$15,584,200.00

168

Dollar value of advanced research projects

Total Research Projects

Total Dollar Value of Research Projects

Number of transportation research projects selected	ed.	168
2. Total matching dollar leveraged for research.		\$15,584,200.00
3. Number of faculty members involved in research p	orojects.	77
4. Number of undergraduate students involved in UT	C-funded research projects.	33
5. Number of master's degree students involved in U	TC-funded research projects.	61
6. Number of doctoral students involved in UTC-fund	led research projects.	83
7. Number of peer reviewed MPC research reports p	ublished.	27
8. Number of peer-reviewed journal articles published	by faculty.	111
9. Number of peer-reviewed conference papers publi		44
<ol> <li>Number of peer-reviewed journal articles or contestudents.</li> </ol>	erence papers authored or co-authored by graduate	118
Leadership		
Number of journal editions published by MPC Universe	versities.	21
2. Number of MPC faculty serving on editorial board	of journals.	23
3. Number of MPC faculty members serving on commas TRB, TRF, ASCE, ITE, etc.	mittees (or as friends of committees) for organizations such	43
4. Number of awards received by MPC faculty or pro	grams.	11
5. Number of conferences and workshops help or sp	onsored by MPC Universities.	3
6. Number of unique organizations represented at MI	PC sponsored conferences and workshops.	22
7. Number of individuals attending MPC conferences	s and workshops.	4,223
8. Number of peer-reviewed journal articles and confe	erence papers presented.	78
	during the reporting period that were taught by faculty and/or	
teaching assistants who are associated with the UTC	:. Undergraduate Courses	74
	Graduate Courses	78
	Total	152
Number of students participating in transportation	research projects funded by this grant.	
	Undergraduate Students	53
	Graduate Students	143
	Total	196
3. Number of transportation-related advance degree	programs that utilize grant funds to support graduate student	S.
	Master's Level Programs	20
	Doctoral Level Programs	25
	Total	45

4. Number of graduate students supported by this gr	ant.	
	Master's Level Student Stipends	63
	Doctoral Level Student Stipends	75
	Total	149
5. Number of student supported by this grant who re	ceived degrees.  Master's Level Student Stipends	25
	Doctoral Level Student Stipends	33
	Total	58
	- Total	
6. Number of outreach events conducted for K-12 at	udiences.	1
7. Number of graduate courses (included in measure	e one) that are offered online	11
7. Manibol of graduate obaliood (included in modelate	- That are sinered simile.	···
Technology Transfer		
1. Number of transportation seminars, symposia, dis	tance learning classes, etc. conducted by transportation	
professionals.	_	239
Number of transportation professionals participating in those events.		3808
2. Number of appual reports and neweletters published		40
Number of annual reports and newsletters publish	ea	19
Collaboration		
Number of internal meetings, videoconferences, or	or telephone conferences of the MPC executive committee to	
discuss program administration and plans for collaboration	·	28
Number of projects involving faculty or students from the stu	om more than one university.	10
2. Harrison of projecto inversing faculty of stationic front friend that one university.		
Number of students participating in MPC graduate student symposia.		1
4. Number of faculty members who hold affiliated fac	culty status at other MPC universities.	1
5. Number of collaborative research projects involving	g faculty and students from more than one MPC university.	4
	<del>-</del>	
6. Number of collaborative conference or workshops	involving several universities, agencies, or LTAP center.	0

### University Transportation Centers Program Performance Indicators Mountain-Plains Consortium Colorado State University FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2022 - September 30, 2023

Number of transportation-related courses offered during the re	porting period that were taught by faculty and/or teaching
assistants who are associated with the UTC.	
Undergraduate Courses	1
Graduate Courses	1
Number of students participating in transportation research pro	pjects funded by this grant.
Undergraduate Students	19
Graduate Students	23
Number of transportation-related advance degree programs that	at utilize grant funds to support graduate students.
Master's Level Programs	4
Doctoral Level Programs	4
	<del></del>
4. Number of graduate students supported by this grant.	
Undergraduate Students	0
Master's Students	5
Doctoral Students	18
Number of student supported by this grant who received degre	200
Undergraduate Students	0
Master's Level Programs	3
Doctoral Level Programs	4
Doctoral Level 1 Tograms	<del></del>
6. Number and total dollar value of research projected selected for Share) that you consider to be applied research and advanced research.	
Number of applied research projects	28
Dollar value of applied research projects	\$1,708,587.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

1. Number of transportation research projects select	ted.	28
2. Total matching dollar leveraged for research.		\$1,708,587.00
3. Number of faculty members involved in research	projects.	6
4. Number of undergraduate students involved in UT	C-funded research projects.	19
5. Number of master's degree students involved in U	JTC-funded research projects.	5
6. Number of doctoral students involved in UTC-fund	ded research projects.	18
7. Number of peer reviewed MPC research reports p	published.	2
8. Number of peer-reviewed journal articles publishe	d by faculty.	1
9. Number of peer-reviewed conference papers published by faculty.  10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate		4
students.		5
Leadership		
1. Number of journal editions published by MPC Uni	versities.	0
Number of MPC faculty serving on editorial board	of journals.	5
Number of MPC faculty members serving on comsuch as TRB, TRF, ASCE, ITE, etc.	mittees (or as friends of committees) for organizations	5
4. Number of awards received by MPC faculty or pro	ograms.	2
5. Number of conferences and workshops help or sp	consored by MPC Universities.	0
6. Number of unique organizations represented at M	PC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences	s and workshops.	0
8. Number of peer-reviewed journal articles and con	ference papers presented.	5
Education and Workforce Development		
<ol> <li>Number of transportation-related courses offered and/or teaching assistants who are associated with</li> </ol>	during the reporting period that were taught by faculty the UTC.	
	Undergraduate Courses	3
	Graduate Courses	4
	Total	7
2. Number of students participating in transportation		
	Undergraduate Students	19
	Graduate Students	23
	Total	42
3. Number of transportation-related advance decree	programs that utilize grant funds to support graduate stud	dents.
	Master's Level Programs	2
	Doctoral Level Programs	2
	Total	4

4. Number of graduate students supported by this gr	rant.	
	Master's Level Student Stipends	5
	Doctoral Level Student Stipends	18
	Total	23
5. Number of student supported by this grant who re	eceived degrees.	
	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	4
	Total	6
6. Number of outreach events conducted for K-12 at	udiences.	0
7. Number of graduate courses (included in measure	e one) that are offered online.	0
Technology Transfer		
1. Number of transportation seminars, symposia, disprofessionals.	stance learning classes, etc. conducted by transportation	0
2. Number of transportation professionals participating	ng in those events.	0
3. Number of annual reports and newsletters publish	ned.	0
Collaboration		
Number of internal meetings, videoconferences, or to discuss program administration and plans for collaboration.	or telephone conferences of the MPC executive committee aboration among the universities.	0
2. Number of projects involving faculty or students fi	rom more than one university.	0
3. Number of students participating in MPC graduate student symposia.		0
<ul><li>4. Number of faculty members who hold affiliated fac</li><li>5. Number of collaborative research projects involving</li></ul>		0
university.	- -	0
6. Number of collaborative conference or workshops	involving several universities, agencies, or LTAP center.	0

### University Transportation Centers Program Performance Indicators Mountain-Plains Consortium North Dakota State University FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2022 - September 30, 2023

Number of transportation-related courses offered during the repo assistants who are associated with the UTC.	orting period that were taught by faculty and/or teaching
Undergraduate Courses	15
Graduate Courses	6
2. Number of students participating in transportation research proje	ects funded by this grant.
Undergraduate Students	6
Graduate Students	16
Number of transportation-related advance degree programs that	utilize grant funds to support graduate students.
Master's Level Programs	1
Doctoral Level Programs	1
2 3 3 3 3 1 1 3 g 3 4 1 1 3 g 3 4 1 1 3 4 1 3 1 3 1 3 1 3 1 3 1 3 1 3	<u></u>
Number of graduate students supported by this grant.	
, , ,	0
Undergraduate Students	6
Master's Students	0
Doctoral Students	16
5. Number of student supported by this grant who received degrees	S.
Undergraduate Students	0
Master's Level Programs	5
Doctoral Level Programs	6
6. Number and total dollar value of research projected selected for Share) that you consider to be applied research and advanced research	
Number of applied research projects	14
Dollar value of applied research projects	\$4,070,355.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

1. Number of transportation research projects selected	ed.	14
2. Total matching dollar leveraged for research.		\$4,070,355.00
3. Number of faculty members involved in research p	orojects.	17
4. Number of undergraduate students involved in UT	C-funded research projects.	0
5. Number of master's degree students involved in U	TC-funded research projects.	5
6. Number of doctoral students involved in UTC-fund	led research projects.	6
7. Number of peer reviewed MPC research reports p	ublished.	6
8. Number of peer-reviewed journal articles published	d by faculty.	20
Number of peer-reviewed conference papers publications	ished by faculty.	3
<ol> <li>Number of peer-reviewed journal articles or confestudents.</li> </ol>	erence papers authored or co-authored by graduate	5
Leadership		
Number of journal editions published by MPC Univ	versities.	20
2. Number of MPC faculty serving on editorial board	of journals.	5
<ol> <li>Number of MPC faculty members serving on comr such as TRB, TRF, ASCE, ITE, etc.</li> </ol>	mittees (or as friends of committees) for organizations	4
4. Number of awards received by MPC faculty or pro	grams.	1
5. Number of conferences and workshops help or sp	onsored by MPC Universities.	0
6. Number of unique organizations represented at M	PC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences	and workshops.	2992
8. Number of peer-reviewed journal articles and conf	erence papers presented.	10
Education and Workforce Development		
<ol> <li>Number of transportation-related courses offered of and/or teaching assistants who are associated with the</li> </ol>	during the reporting period that were taught by faculty ne UTC.	
	Undergraduate Courses	15
	Graduate Courses	6
	Total	21
2. Number of students participating in transportation		
	Undergraduate Students	6
	Graduate Students	16
	Total	22
3. Number of transportation-related advance degree	programs that utilize grant funds to support graduate stu	dents.
	Master's Level Programs	1
	Doctoral Level Programs	1
	Total	2

4. Number of graduate students supported by this g	rant.	
	Master's Level Student Stipends	6
	Doctoral Level Student Stipends	1
	Total	18
5. Number of student supported by this grant who re	_	•
	Master's Level Student Stipends	6
	Doctoral Level Student Stipends	5
	Total	11
6. Number of outreach events conducted for K-12 a	udiences.	0
7. Number of graduate courses (included in measur	e one) that are offered online.	6
Technology Transfer		
Number of transportation seminars, symposia, disprofessionals.	stance learning classes, etc. conducted by transportation	136
	<del>-</del>	
2. Number of transportation professionals participati	ng in those events.	1216
<ul><li>2. Number of transportation professionals participati</li><li>3. Number of annual reports and newsletters publish</li></ul>	-	1216 15
	-	
	-	
<ul> <li>3. Number of annual reports and newsletters publish</li> <li>Collaboration</li> <li>1. Number of internal meetings, videoconferences, or</li> </ul>	or telephone conferences of the MPC executive	
3. Number of annual reports and newsletters publish	or telephone conferences of the MPC executive	
<ul> <li>3. Number of annual reports and newsletters publish</li> <li>Collaboration</li> <li>1. Number of internal meetings, videoconferences, or</li> </ul>	or telephone conferences of the MPC executive ans for collaboration among the universities.	15
Number of annual reports and newsletters publish  Collaboration  1. Number of internal meetings, videoconferences, of committee to discuss program administration and plants.	or telephone conferences of the MPC executive ans for collaboration among the universities.	15
3. Number of annual reports and newsletters publish  Collaboration  1. Number of internal meetings, videoconferences, of committee to discuss program administration and pl  2. Number of projects involving faculty or students for the students participating in MPC graduated. Number of faculty members who hold affiliated faculty members who had affiliated faculty members wh	or telephone conferences of the MPC executive ans for collaboration among the universities.  From more than one university.  e student symposia.  culty status at other MPC universities.	9 3
Collaboration  Number of internal meetings, videoconferences, committee to discuss program administration and pl  Number of projects involving faculty or students for the students participating in MPC graduates.	or telephone conferences of the MPC executive ans for collaboration among the universities.  From more than one university.  e student symposia.  culty status at other MPC universities.	9 3 0
Collaboration  Number of internal meetings, videoconferences, committee to discuss program administration and please. Number of projects involving faculty or students from the students participating in MPC graduate. Number of faculty members who hold affiliated facts. Number of collaborative research projects involving university.	or telephone conferences of the MPC executive ans for collaboration among the universities.  From more than one university.  e student symposia.  culty status at other MPC universities.	9 3 0

# University Transportation Centers Program Performance Indicators Mountain-Plains Consortium South Dakota State University FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2022 - September 30, 2023

<ol> <li>Number of transportation-related courses offered during the rep assistants who are associated with the UTC.</li> </ol>	orting period that were taught by faculty and/or teaching
Undergraduate Courses	15
Graduate Courses	8
Cradatio Courses	
Number of students participating in transportation research proj	ects funded by this grant.
Undergraduate Students	3
Graduate Students	25
Number of transportation-related advance degree programs that	t utilize grant funds to support graduate students.
Master's Level Programs	5
Doctoral Level Programs	4
	<del></del>
Number of graduate students supported by this grant.	
Undergraduate Students	3
Master's Students	18
Doctoral Students	7
5. Number of student supported by this grant who received degree	ac .
	3
Undergraduate Students Master's Level Programs	5
Doctoral Level Programs	
Doctoral Level Flograms	
Number and total dollar value of research projected selected for	
Share) that you consider to be applied research and advanced res	
Number of applied research projects	18
Dollar value of applied research projects	\$1,708,587.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

1. Number of transportation research projects selected	d.	18
2. Total matching dollar leveraged for research.		\$1,708,587.00
3. Number of faculty members involved in research pro-	ojects.	6
4. Number of undergraduate students involved in UTC	f-funded research projects.	3
5. Number of master's degree students involved in UT	C-funded research projects.	18
6. Number of doctoral students involved in UTC-funde	d research projects.	7
7. Number of peer reviewed MPC research reports pu	blished.	1
8. Number of peer-reviewed journal articles published	by faculty.	10
<ol> <li>Number of peer-reviewed conference papers published by faculty.</li> <li>Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate</li> </ol>		4
students.		13
Leadership		
1. Number of journal editions published by MPC University	ersities.	0
2. Number of MPC faculty serving on editorial board of	f journals.	1
3. Number of MPC faculty members serving on comm such as TRB, TRF, ASCE, ITE, etc.	ittees (or as friends of committees) for organizations	5
4. Number of awards received by MPC faculty or prog	rams.	0
5. Number of conferences and workshops help or spo	nsored by MPC Universities.	0
6. Number of unique organizations represented at MPo	C sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences a	and workshops.	0
8. Number of peer-reviewed journal articles and confer	rence papers presented.	7
Education and Workforce Development		
Number of transportation-related courses offered duand/or teaching assistants who are associated with the		
-	Undergraduate Courses	15
	Graduate Courses	8
	Total	23
2. Number of students participating in transportation re		0
	Undergraduate Students Graduate Students	25
	Graduate Students Total	28
	rograms that utilize grant funds to support graduate stud	
	Master's Level Programs	5 4
	Doctoral Level Programs Total	9
	I OLGI	

4. Number of graduate students supported by this g	grant.	
	Master's Level Student Stipends	18
	Doctoral Level Student Stipends	7
	Total	25
5. Number of student supported by this grant who r	received degrees.	
	Master's Level Student Stipends	3
	Doctoral Level Student Stipends	5
	Total	8
6. Number of outreach events conducted for K-12 a	audiences.	0
7. Number of graduate courses (included in measure	re one) that are offered online.	0
Technology Transfer		
1. Number of transportation seminars, symposia, di professionals.	istance learning classes, etc. conducted by transportation	0
2. Number of transportation professionals participat	ting in those events.	0
3. Number of annual reports and newsletters publis	shed.	0
Collaboration		
1. Number of internal meetings, videoconferences, to discuss program administration and plans for col	or telephone conferences of the MPC executive committee llaboration among the universities.	0
2. Number of projects involving faculty or students	from more than one university.	0
Number of students participating in MPC graduate student symposia.		0
<ul><li>4. Number of faculty members who hold affiliated fa</li><li>5. Number of collaborative research projects involvi</li></ul>		0
university.	-	0
6. Number of collaborative conference or workshop	s involving several universities, agencies, or LTAP center.	0

## University Transportation Centers Program Performance Indicators Mountain-Plains Consortium University of Colorado Denver FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2022 - September 30, 2023

Number of transportation-related courses offered during the relassistants who are associated with the UTC.	porting period that were taught by faculty and/or teaching
Undergraduate Courses	6
Graduate Courses	14
Number of students participating in transportation research pro	ojects funded by this grant.
Undergraduate Students	0
Graduate Students	18
Number of transportation-related advance degree programs that	at utilize grant funds to support graduate students.
Master's Level Programs	3
Doctoral Level Programs	3
Number of graduate students supported by this grant.     Undergraduate Students	4
Master's Students	9
Doctoral Students	9
Number of student supported by this grant who received degre	nes.
Undergraduate Students	0
Master's Level Programs	6
Doctoral Level Programs	12
Doctoral Level Flograms	12
6. Number and total dollar value of research projected selected for Share) that you consider to be applied research and advanced research.	
Number of applied research projects	22
Dollar value of applied research projects	\$1,708,587.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00
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1. Number of transportation research projects select	ed.	22
2. Total matching dollar leveraged for research.		\$1,708,587.00
3. Number of faculty members involved in research p	projects.	9
4. Number of undergraduate students involved in UT	C-funded research projects.	0
5. Number of master's degree students involved in U	JTC-funded research projects.	6
6. Number of doctoral students involved in UTC-fund	ded research projects.	12
7. Number of peer reviewed MPC research reports p	published.	3
8. Number of peer-reviewed journal articles publishe	d by faculty.	33
9. Number of peer-reviewed conference papers published by faculty.  10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate		9
students.	, , , , , , , , , , , , , , , , , , , ,	40
Leadership		
Number of journal editions published by MPC Unit	versities.	0
2. Number of MPC faculty serving on editorial board	of journals.	2
<ol><li>Number of MPC faculty members serving on com such as TRB, TRF, ASCE, ITE, etc.</li></ol>	mittees (or as friends of committees) for organizations	8
4. Number of awards received by MPC faculty or pro	ograms.	1
5. Number of conferences and workshops help or sp	onsored by MPC Universities.	0
6. Number of unique organizations represented at M	PC sponsored conferences and workshops.	20
7. Number of individuals attending MPC conferences	s and workshops.	0
8. Number of peer-reviewed journal articles and conf	ference papers presented.	17
Education and Workforce Development		
Education and Workforce Development  1. Number of transportation-related courses offered assistants who are associated with the UTC.	during the reporting period that were taught by faculty and	or teaching
	Undergraduate Courses	6
	Graduate Courses	14
	Total	20
2. Number of students participating in transportation		0
	Undergraduate Students Graduate Students	18
	Total	18
<b> </b>		
3. Number of transportation-related advance degree	programs that utilize grant funds to support graduate stuc	
	Master's Level Programs  Doctoral Level Programs	3
	Total	6

4. Number of graduate students supported by this gr	ant.	
	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	4
	Total	6
5. Number of student supported by this grant who re	ceived degrees.	
	Master's Level Student Stipends	3
	Doctoral Level Student Stipends	3
	Total	6
6. Number of outreach events conducted for K-12 au	diences.	0
7. Number of graduate courses (included in measure	one) that are offered online.	2
Technology Transfer		
1. Number of transportation seminars, symposia, disprofessionals.	tance learning classes, etc. conducted by transportation	0
2. Number of transportation professionals participating	g in those events.	0
3. Number of annual reports and newsletters published	ed	0
Collaboration		
1. Number of internal meetings, videoconferences, or to discuss program administration and plans for colla	telephone conferences of the MPC executive committee boration among the universities.	6
2. Number of projects involving faculty or students from	om more than one university.	2
3. Number of students participating in MPC graduate	student symposia.	0
<ul><li>4. Number of faculty members who hold affiliated fac</li><li>5. Number of collaborative research projects involving</li></ul>		0
university.		1
6. Number of collaborative conference or workshops	involving several universities, agencies, or LTAP center.	0

## University Transportation Centers Program Performance Indicators Mountain-Plains Consortium University of Denver FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2022 - September 30, 2023

Number of transportation-related courses offered during the reportation.	orting period that were taught by faculty and/or teaching
assistants who are associated with the UTC.	
Undergraduate Courses	6
Graduate Courses	21
Number of students participating in transportation research project.	ects funded by this grant.
Undergraduate Students	0
Graduate Students	9
Number of transportation-related advance degree programs that	utilize grant funds to support graduate students.
Master's Level Programs	1
Doctoral Level Programs	1
Number of graduate students supported by this grant.	
Undergraduate Students	0
Master's Students	3
Doctoral Students	7
Doctoral otddonto	
5. Number of student supported by this grant who received degree	s.
Undergraduate Students	0
Master's Level Programs	5
Doctoral Level Programs	0
Number and total dollar value of research projected selected for Share) that you consider to be applied research and advanced research.	
Number of applied research projects	7
Dollar value of applied research projects	\$1,212,298.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

1. Number of transportation research projects selected	ed.	7
2. Total matching dollar leveraged for research.		\$1,212,298.00
3. Number of faculty members involved in research p	rojects.	3
4. Number of undergraduate students involved in UT0	C-funded research projects.	0
5. Number of master's degree students involved in U	TC-funded research projects.	3
6. Number of doctoral students involved in UTC-fund	ed research projects.	7
7. Number of peer reviewed MPC research reports po	ublished.	1
8. Number of peer-reviewed journal articles published	by faculty.	0
9. Number of peer-reviewed conference papers published by faculty. 10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.		0
Students.		
Leadership		
1. Number of journal editions published by MPC Univ	versities.	0
2. Number of MPC faculty serving on editorial board of	of journals.	1
3. Number of MPC faculty members serving on comr such as TRB, TRF, ASCE, ITE, etc.	mittees (or as friends of committees) for organizations	1
4. Number of awards received by MPC faculty or pro-	grams.	0
5. Number of conferences and workshops help or spo	onsored by MPC Universities.	0
6. Number of unique organizations represented at MF	PC sponsored conferences and workshops.	0
7. Number of individuals attending MPC conferences	and workshops.	0
8. Number of peer-reviewed journal articles and confe	erence papers presented.	0
Education and Workforce Development		
1. Number of transportation-related courses offered cand/or teaching assistants who are associated with the		
Ğ	Undergraduate Courses	6
	Graduate Courses	21
	Total	27
2. Number of students participating in transportation		
	Undergraduate Students	0
	Graduate Students	9
	Total	9
3. Number of transportation-related advance degree p	programs that utilize grant funds to support graduate stud	
	Master's Level Programs	1
	Doctoral Level Programs	2
	Total	2

4. Number of graduate students supported by this gr	ant.	
	Master's Level Student Stipends	0
	Doctoral Level Student Stipends	3
	Total	3
5. Number of student supported by this grant who re	eceived degrees.	
	Master's Level Student Stipends	0
	Doctoral Level Student Stipends	5
	Total	5
6. Number of outreach events conducted for K-12 au	udiences.	0
7. Number of graduate courses (included in measure	e one) that are offered online.	0
Technology Transfer		
1. Number of transportation seminars, symposia, disprofessionals.	etance learning classes, etc. conducted by transportation	4
2. Number of transportation professionals participating	ng in those events.	328
3. Number of annual reports and newsletters publish	ed.	0
Collaboration		
	r telephone conferences of the MPC executive committee aboration among the universities.	2
Number of internal meetings, videoconferences, o	aboration among the universities.	2
Number of internal meetings, videoconferences, o to discuss program administration and plans for colla	aboration among the universities.  rom more than one university.	
<ol> <li>Number of internal meetings, videoconferences, o to discuss program administration and plans for colla</li> <li>Number of projects involving faculty or students fr</li> <li>Number of students participating in MPC graduate</li> <li>Number of faculty members who hold affiliated face</li> </ol>	aboration among the universities.  From more than one university.  E student symposia.  Coulty status at other MPC universities.	0
<ol> <li>Number of internal meetings, videoconferences, o to discuss program administration and plans for colla</li> <li>Number of projects involving faculty or students fr</li> <li>Number of students participating in MPC graduate</li> </ol>	aboration among the universities.  From more than one university.  E student symposia.  Coulty status at other MPC universities.	0
<ol> <li>Number of internal meetings, videoconferences, o to discuss program administration and plans for colla</li> <li>Number of projects involving faculty or students fr</li> <li>Number of students participating in MPC graduate</li> <li>Number of faculty members who hold affiliated factors.</li> <li>Number of collaborative research projects involving university.</li> </ol>	aboration among the universities.  From more than one university.  E student symposia.  Coulty status at other MPC universities.	0 0

### University Transportation Centers Program Performance Indicators Mountain-Plains Consortium University of Utah FASTACT 69A3551747108 (MPC-533 – MPC-701)

### FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2022 - September 30, 2023

Number of transportation-related courses offered during the rep	orting period that were taught by faculty and/or teaching
assistants who are associated with the UTC.	
Undergraduate Courses	9
Graduate Courses	8
Number of students participating in transportation research proj	ects funded by this grant.
Undergraduate Students	3
Graduate Students	18
Number of transportation-related advance degree programs that	t utilize grant funds to support graduate students.
Master's Level Programs	7
Doctoral Level Programs	13
Number of graduate students supported by this grant.	
Undergraduate Students	1
Master's Students	7
Doctoral Students	11
Number of student supported by this grant who received degree	es.
Undergraduate Students	0
Master's Level Programs	3
Doctoral Level Programs	2
Number and total dollar value of research projected selected for Share) that you consider to be applied research and advanced res	
Number of applied research projects	35
Dollar value of applied research projects	\$1,758,612.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

Number of transportation research projects selected.	35
2. Total matching dollar leveraged for research.	\$1,758,612.00
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.	7
6. Number of doctoral students involved in UTC-funded research projects.	11
7. Number of peer reviewed MPC research reports published.	7
8. Number of peer-reviewed journal articles published by faculty.	19
9. Number of peer-reviewed conference papers published by faculty.	
<ol> <li>Number of peer-reviewed journal articles or conference papers authored or co-authored by grad students.</li> </ol>	duate 32
Leadership	
Number of journal editions published by MPC Universities.	1
2. Number of MPC faculty serving on editorial board of journals.	5
3. Number of MPC faculty members serving on committees (or as friends of committees) for organ such as TRB, TRF, ASCE, ITE, etc.	izations 10
4. Number of awards received by MPC faculty or programs.	4
5. Number of conferences and workshops help or sponsored by MPC Universities.	3
6. Number of unique organizations represented at MPC sponsored conferences and workshops.	2
7. Number of individuals attending MPC conferences and workshops.	17
8. Number of peer-reviewed journal articles and conference papers presented.	23
Education and Warleforce Devalorment	
Education and Workforce Development  1. Number of transportation-related courses offered during the reporting period that were taught by assistants who are associated with the UTC.	faculty and/or teaching
Undergraduate Courses	7
Graduate Courses Total	<u>8</u> 15
r otal	
2. Number of students participating in transportation research projects funded by this grant.	7
Undergraduate Students Graduate Students	7 13
Total	20
Number of transportation-related advance degree programs that utilize grant funds to support grant grant funds to support grant g	aduate students
Master's Level Programs	5
Doctoral Level Programs	11
Total	16

4. Number of graduate students supported by this gr	ant.	
	Master's Level Student Stipends	6
	Doctoral Level Student Stipends	11
	Total	17
5. Number of student supported by this grant who re	ceived degrees	
o. Number of student supported by the grant who re	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	2
	Total	4
	<del>-</del>	_
6. Number of outreach events conducted for K-12 au	diences.	0
7. Number of graduate courses (included in measure	one) that are offered online.	1
Technology Transfer		
	tance learning classes, etc. conducted by transportation	
professionals.	<u>-</u>	3
2. Number of transportation professionals participating	g in those events.	200
3. Number of annual reports and newsletters publish	ed.	1
Collaboration		
1. Number of internal meetings, videoconferences, or	telephone conferences of the MPC executive committee	
to discuss program administration and plans for colla	horation among the universities	•
	boration among the driversities.	6
2. Number of projects involving faculty or students fr	<u> </u>	3
<ul><li>2. Number of projects involving faculty or students fr</li><li>3. Number of students participating in MPC graduate</li></ul>	om more than one university.	
<ul><li>3. Number of students participating in MPC graduate</li><li>4. Number of faculty members who hold affiliated fac</li></ul>	om more than one university.  student symposia.  ulty status at other MPC universities.	3
Number of students participating in MPC graduate	om more than one university.  student symposia.  ulty status at other MPC universities.	3
<ol> <li>Number of students participating in MPC graduate</li> <li>Number of faculty members who hold affiliated fac</li> <li>Number of collaborative research projects involving university.</li> </ol>	om more than one university.  student symposia.  ulty status at other MPC universities.	3 1 1

# University Transportation Centers Program Performance Indicators Mountain-Plains Consortium University of Wyoming FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2022 - September 30, 2023

<ol> <li>Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teach assistants who are associated with the UTC.</li> </ol>	9
accidiant into air accordated that the circ	
Undergraduate Courses 12	
Graduate Courses 8	
Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students 0	
Graduate Students 23	
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 0	
Master's Students 8	
Doctoral Students 15	
5. Number of student supported by this grant who received degrees.	
Undergraduate Students 0	
Master's Level Programs 8	
Doctoral Level Programs 15	
6. Number and total dollar value of research projected selected for funding using UTC grant funds (Federal and/or Rec Share) that you consider to be applied research and advanced research.	pient
Number of applied research projects 20	
Dollar value of applied research projects \$1,708,587.00	
Number of advanced research projects  0	
Dollar value of advanced research projects \$0.00	
2 3.13. 13.32 3. 347411004 100041011 projecto	

Number of transportation research projects selected.	20
2. Total matching dollar leveraged for research.	\$1,708,587.00
3. Number of faculty members involved in research projects.	13
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.	8
6. Number of doctoral students involved in UTC-funded research projects.	15
7. Number of peer reviewed MPC research reports published.	4
8. Number of peer-reviewed journal articles published by faculty.	21
<ol> <li>Number of peer-reviewed conference papers published by faculty.</li> <li>Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.</li> </ol>	
Leadership	
Number of journal editions published by MPC Universities.	0
2. Number of MPC faculty serving on editorial board of journals.	1
<ol><li>Number of MPC faculty members serving on committees (or as friends of committees) for orga such as TRB, TRF, ASCE, ITE, etc.</li></ol>	anizations 3
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.	1214
8. Number of peer-reviewed journal articles and conference papers presented.	15
Education and Workforce Development	
<ol> <li>Number of transportation-related courses offered during the reporting period that were taught be and/or teaching assistants who are associated with the UTC.</li> </ol>	by faculty
Undergraduate Courses	12
Graduate Courses	8
Total	20
2. Number of students participating in transportation research projects funded by this grant.	•
Undergraduate Students Graduate Students	<u>0</u> 23
Total	23
1000	
3. Number of transportation-related advance degree programs that utilize grant funds to support	
Master's Level Programs	1
Doctoral Level Programs	1
Total	2

4. Number of graduate students supported by this gr	ant.	
	Master's Level Student Stipends	8
	Doctoral Level Student Stipends	15
	Total	23
5. Number of student supported by this grant who re	ceived degrees.	
,, ,	Master's Level Student Stipends	2
	Doctoral Level Student Stipends	6
	Total	8
6. Number of outreach events conducted for K-12 audiences.		
7. Number of graduate courses (included in measure one) that are offered online.		2
Technology Transfer		
1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.		45
2. Number of transportation professionals participating in those events.		1235
3. Number of annual reports and newsletters published.		2
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.		0
2. Number of projects involving faculty or students from more than one university.		0
3. Number of students participating in MPC graduate student symposia.		0
<ul><li>4. Number of faculty members who hold affiliated faculty status at other MPC universities.</li><li>5. Number of collaborative research projects involving faculty and students from more than one MPC</li></ul>		0
• • •		
university.	<b>-</b>	0
,	involving several universities, agencies, or LTAP center.	0

### University Transportation Centers Program Performance Indicators Mountain-Plains Consortium Utah State University

### FASTACT 69A3551747108 (MPC-533 – MPC-701)

### October 1, 2022 - September 30, 2023

Number of transportation-related courses offered during the repassistants who are associated with the UTC.	porting period that were taught by faculty and/or teaching
	40
Undergraduate Courses	10
Graduate Courses	9
Number of students participating in transportation research pro	ojects funded by this grant.
Undergraduate Students	18
Graduate Students	16
Number of transportation-related advance degree programs that	at utilize grant funds to support graduate students.
Master's Level Programs	2
Doctoral Level Programs	2
Number of graduate students supported by this grant.	
Undergraduate Students	10
Master's Students	9
Doctoral Students	7
Number of student supported by this grant who received degre	ees.
Undergraduate Students	6
Master's Level Programs	7
Doctoral Level Programs	3
6. Number and total dollar value of research projected selected fo Share) that you consider to be applied research and advanced res	
Number of applied research projects	24
Dollar value of applied research projects	\$1,708,587.00
Number of advanced research projects	0
Dollar value of advanced research projects	\$0.00

1. Number of transportation research projects selected.		
2. Total matching dollar leveraged for research.		
3. Number of faculty members involved in research projects.	12	
4. Number of undergraduate students involved in UTC-funded research projects.	10	
5. Number of master's degree students involved in UTC-funded research projects.	9	
6. Number of doctoral students involved in UTC-funded research projects.	7	
7. Number of peer reviewed MPC research reports published.	3	
8. Number of peer-reviewed journal articles published by faculty.	7	
Number of peer-reviewed conference papers published by faculty.		
<ol> <li>Number of peer-reviewed journal articles or conference papers authored or co-authored by gratudents.</li> </ol>	raduate 8	
Leadership		
Number of journal editions published by MPC Universities.		
2. Number of MPC faculty serving on editorial board of journals.		
3. Number of MPC faculty members serving on committees (or as friends of committees) for organich as TRB, TRF, ASCE, ITE, etc.	anizations 7	
4. Number of awards received by MPC faculty or programs.	3	
5. Number of conferences and workshops help or sponsored by MPC Universities.		
6. Number of unique organizations represented at MPC sponsored conferences and workshops.		
7. Number of individuals attending MPC conferences and workshops.		
8. Number of peer-reviewed journal articles and conference papers presented.		
Education and Workforce Development		
1. Number of transportation-related courses offered during the reporting period that were taught be and/or teaching assistants who are associated with the UTC.	by faculty	
Undergraduate Courses	10	
Graduate Courses	9	
Total	19	
2. Number of students participating in transportation research projects funded by this grant.		
Undergraduate Students	18	
Graduate Students Total	16 34	
i Otal		
3. Number of transportation-related advance degree programs that utilize grant funds to support		
Master's Level Programs	2	
Doctoral Level Programs Total	2 4	
i otai		

4. Number of graduate students supported by this gr	ant.	
	Master's Level Student Stipends	18
	Doctoral Level Student Stipends	16
	Total	34
5. Number of student supported by this grant who re	coived degrees	
3. Number of student supported by this grant who re	Master's Level Student Stipends	7
	Doctoral Level Student Stipends	3
	Total	10
	-	.,
6. Number of outreach events conducted for K-12 audiences.		
7 Number of graduate courses (included in measure	one) that are offered online	0
7. Number of graduate courses (included in measure one) that are offered online.		U
Technology Transfer		
1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation		
professionals.	<u>-</u>	51
2. Number of transportation professionals participating in those events.		829
Number of annual reports and newsletters published.		
·	-	
Collaboration		
Number of internal meetings, videoconferences, o	r telephone conferences of the MPC executive committee	
to discuss program administration and plans for colla	•	5
2. Number of projects involving faculty or students from more than one university.		2
3. Number of students participating in MPC graduate student symposia.		0
4. Number of faculty members who hold affiliated faculty status at other MPC universities.  5. Number of collaborative research projects involving faculty and students from more than one MPC		
6. Number of collaborative conference or workshops	involving several universities, agencies, or LTAP center.	0