University Transportation Centers Program Performance Indicators

Total Dollar Value of Research Projects \$ 15,584,200.00

UTC Name: Region 8 - Mountain-Plains Consortium
University: North Dakota State University

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

Reporting Period: October 1, 2023 - September 30, 2024

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	55	8	0	9	6	6	8	9	
Graduate courses	74	6	10	12	14	. 12	6	6	
2. Number of students participating in transportation research projects during the reporting period funded by this grant									
Undergraduate students in research	23	6	0	1	0	0	4	0	
Graduate students in research	110	22	20	14	18	1	17	6	1
3. Number of transportation-related advanced degree programs that utilize grant funds during the reporting period to support graduate students									
Masters level programs	22	4	1	5	3	1	4	1	
Doctoral level programs	34	4	1	5	3	1	16	1	
4. Number of students supported by this grant during the reporting period									
Undergraduate students	13	2	0	0	0	0	2	0	
Masters students	33	4	0	8	6	0	7	3	
Doctoral students	63	5	20	2	12	1	13	3	
5. Number of students supported by this grant who received degrees during the reporting period									
Undergraduate degrees	8	2	0	0	0	0	0	0	
Masters degrees	26	1	4	7	6	0	3	1	
Doctoral degrees	24	3	8	1	2	1	6	0	
6. 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									
Number of applied research projects	168	28	14	18	22	7	35	20	2
Dollar value of applied research projects	\$ 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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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Mountain-Plains Consortium

University Transportation Center - Region 8 FASTACT 69A3551747108 (MPC-533 – MPC-701)

October 1, 2023 - September 30, 2024

Performance Indicators

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

Undergraduate Courses	55
Graduate Courses	74

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

Undergraduate Students	23
Graduate Students	110

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

Master's Level Programs	22
Doctoral Level Programs	34

4. Number of graduate students supported by this grant.

Undergraduate Students	13
Master's Students	33
Doctoral Students	63

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

Undergraduate Students	8
Master's Level Programs	26
Doctoral Level Programs	24

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	168	
Dollar value of applied research projects		\$15,584,200.00
Number of advanced research projects	0	
Dollar value of advanced research projects		\$0.00
Total Research Projects	168	
		A45 504 000 00

Total Dollar Value of Research Projects \$15,584,200.00

UTC Specific Indicators

Number of transportation research projects selected.	168
2. Total matching dollar leveraged for research.	\$15,584,200.00
3. Number of faculty members involved in research projects.	61
4. Number of undergraduate students involved in UTC-funded research projects.	17
5. Number of master's degree students involved in UTC-funded research projects.	52
6. Number of doctoral students involved in UTC-funded research projects.	75
7. Number of peer reviewed MPC research reports published.	41
8. Number of peer-reviewed journal articles published by faculty.	101
9. Number of peer-reviewed conference papers published by faculty.	48
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	133

1. Number of journal additions published by MPC Universities. 2. Univaries of MPC faculty in members serving on additional board of journals. 3. Number of MPC faculty members serving on committees (or as friends of committees) for organizations such as TRB, TRF, SCE, ITE, doc. 4. Number of awards received by MPC laculty or programs. 5. Number of unique organizations represented at MPC sponsored by MPC Universities. 6. Number of unique organizations represented at MPC sponsored conferences and workshops. 7. Number of unique organizations represented at MPC sponsored conferences and workshops. 8. Number of unique organizations represented at MPC sponsored conferences and workshops. 9. Number of unique organizations represented at MPC sponsored conferences and workshops. 9. Number of unique organizations represented at MPC sponsored conferences and workshops. 9. Number of programs of the conference and workshops. 9. Number of programs of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching sessistants who are associated with the UTC. 9. Undergraduate Courses 9. Created Course 9. Create	Leadership		
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SCE, ITE, etc. 41	Number of MPC faculty serving on editorial	I board of journals.	25
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2. Number of projects involving faculty or students from more than one university.		·	22
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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 university.

6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.

University Transportation Centers Program Performance Indicators Mountain-Plains Consortium

Colorado State University FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2023 - September 30, 2024

Performance Indicators

4 Nl .			
	r of transportation-related courses offered during the l	reporting period that were taught by faculty and/or teaching assistants w	vno are
associated	Undergraduate Courses	8	
	Graduate Courses	6	
2. Numbe	r of students participating in transportation research p	rojects funded by this grant.	
	Undergraduate Students	6	
	Graduate Students	22	
0 N			
3. Numbe	r of transportation-related advance degree programs Master's Level Programs	nat utilize grant funds to support graduate students.	
	Doctoral Level Programs	4	
	Doctoral Level Programs		
4. Numbe	r of graduate students supported by this grant.		
	Undergraduate Students	2	
	Master's Students	4	
	Doctoral Students	5	
5 Number	r of student supported by this grant who received deg	rees	
o. rtarribo	Undergraduate Students	2	
	Master's Level Programs	1	
	Doctoral Level Programs	3	
		for funding using UTC grant funds (Federal and/or Recipient Share) the	at you
consider to	o 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	
	Dollar value of advanced research projects	φυ.υυ	

UTC Specific Indicators

1. Number of transportation research projects selected.	28
2. Total matching dollar leveraged for research.	\$1,708,587.00
3. Number of faculty members involved in research projects.	18
4. Number of undergraduate students involved in UTC-funded research projects.	6
5. Number of master's degree students involved in UTC-funded research projects.	22
6. Number of doctoral students involved in UTC-funded research projects.	5
7. Number of peer reviewed MPC research reports published.	2
8. Number of peer-reviewed journal articles published by faculty.	35
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.	56
7. Number of peer reviewed MPC research reports published.8. Number of peer-reviewed journal articles published by faculty.9. Number of peer-reviewed conference papers published by faculty.	15

Leadership 1. Number of journal editions published by MPC Universities. 7 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 organizations such as TRB, TRF, ASCE, ITE, etc. 7 4. Number of awards received by MPC faculty or programs. 11 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. 0 7. Number of individuals attending MPC conferences and workshops. 0 44 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 by faculty and/or teaching assistants who are associated with the UTC. **Undergraduate Courses** 8 **Graduate Courses** 6 14 Total 2. Number of students participating in transportation research projects funded by this grant. **Undergraduate Students** 6 **Graduate Students** 22 Total 28 3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students. Master's Level Programs **Doctoral Level Programs** Total 8 4. Number of graduate students supported by this grant. Master's Level Student Stipends **Doctoral Level Student Stipends** 5 9 Total 5. Number of student supported by this grant who received degrees. Master's Level Student Stipends **Doctoral Level Student Stipends** 3 Total 6. Number of outreach events conducted for K-12 audiences. 7. Number of graduate courses (included in measure one) that are offered online. 0 **Technology Transfer** 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. 2. Number of transportation professionals participating in those events. 40 3. Number of annual reports and newsletters published. 0 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. 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. 0 5. Number of collaborative research projects involving faculty and students from more than one MPC university. 2

6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.

University Transportation Centers Program Performance Indicators Mountain-Plains Consortium

North Dakota State University FASTACT 69A3551747108 (MPC-533 - MPC-701)

October 1, 2023 - September 30, 2024

Performance Indicators

I. Number of transportation-related courses offered during the reassociated with the UTC.	eporting period that were taught by faculty and/or teaching assistants who are
Undergraduate Courses	0
Graduate Courses	10
2. Number of students participating in transportation research pr	rojects funded by this grant.
Undergraduate Students	0
Graduate Students	
3. Number of transportation-related advance degree programs th	hat utilize grant funds to support graduate students.
Master's Level Programs	<u> </u>
Doctoral Level Programs	1
Number of graduate students supported by this grant.	
Undergraduate Students	0
Master's Students	0
Doctoral Students	
5. Number of student supported by this grant who received degre	ees.
Undergraduate Students	0
Master's Level Programs	4
Doctoral Level Programs	8
· ·	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	\$4,070,355.00

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

UTC Specific Indicators

1. Number of transportation research projects selected.	14
2. Total matching dollar leveraged for research.	\$4,070,355.00
3. Number of faculty members involved in research projects.	5
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.	0
6. Number of doctoral students involved in UTC-funded research projects.	20
7. Number of peer reviewed MPC research reports published.	5
8. Number of peer-reviewed journal articles published by faculty.	4
9. Number of peer-reviewed conference papers published by faculty.	6
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	10

Leadership 1. Number of journal editions published by MPC Universities. 0 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 organizations such as TRB, TRF, ASCE, ITE, etc. 4 4. Number of awards received by MPC faculty or programs. 0 1 5. Number of conferences and workshops help or sponsored by MPC Universities. 6. Number of unique organizations represented at MPC sponsored conferences and workshops. 0 7. Number of individuals attending MPC conferences and workshops. 150 8. Number of peer-reviewed journal articles and conference papers presented. 10 **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** 0 **Graduate Courses** 10 10 Total 2. Number of students participating in transportation research projects funded by this grant. **Undergraduate Students** 0 **Graduate Students** 20 Total 20 3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students. Master's Level Programs **Doctoral Level Programs** Total 4. Number of graduate students supported by this grant. Master's Level Student Stipends **Doctoral Level Student Stipends** 20 20 Total 5. Number of student supported by this grant who received degrees. Master's Level Student Stipends **Doctoral Level Student Stipends** 8 12 Total 6. Number of outreach events conducted for K-12 audiences. 0 7. Number of graduate courses (included in measure one) that are offered online. 10 **Technology Transfer** 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. 448 8703 2. Number of transportation professionals participating in those events. 3. Number of annual reports and newsletters published. 15 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. 6 2. Number of projects involving faculty or students from more than one university. 1 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. 0 5. Number of collaborative research projects involving faculty and students from more than one MPC university. 1 6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center. 1

University Transportation Centers Program Performance Indicators Mountain-Plains Consortium South Dakota State University FASTACT 69A3551747108 (MPC-533 – MPC-701)

October 1, 2023 - September 30, 2024

Performance Indicators

	f transportation-related courses offered during the repovith the UTC.	rting period that were taught by faculty and/or teaching assistants who are
	Undergraduate Courses	9
	Graduate Courses	12
	•	
2. Number o	f students participating in transportation research proje	cts funded by this grant.
	Undergraduate Students	1
	Graduate Students	14
3. Number o	f transportation-related advance degree programs that	utilize grant funds to support graduate students.
0	Master's Level Programs	5
	Doctoral Level Programs	5
	•	
4. Number o	f graduate students supported by this grant.	
	Undergraduate Students	0
	Master's Students	8
	Doctoral Students	2
5 Number o	f student supported by this grant who received degrees	
o. Namber o	Undergraduate Students	
	Master's Level Programs	 7
	Doctoral Level Programs	 1
	- Joseph Level Flograms	.

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		\$1,708,587.00
Number of advanced research projects	0	
Dollar value of advanced research projects		\$0.00

UTC Specific Indicators

2. Total matching dollar leveraged for research. \$1,70	8,587.00
Number of faculty members involved in research projects.	6
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
Number of doctoral students involved in UTC-funded research projects.	4
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.	4
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	9

Leadership		
Number of journal editions published by MPC Universities.		
2. Number of MPC faculty serving on editorial board	d of journals.	3
3. Number of MPC faculty members serving on com ASCE, ITE, etc.	nmittees (or as friends of committees) for organizations such as TRB, TRF,	5
4. Number of awards received by MPC faculty or pro	ograms.	6
5. Number of conferences and workshops help or s		5
6. Number of unique organizations represented at N	•	0
7. Number of individuals attending MPC conference	·	0
Number of peer-reviewed journal articles and cor	·	9
o. Hamber of poor forterior journal artifice and our	northe papers presented.	
Education and Workforce Development		
-	during the reporting period that were taught by faculty and/or teaching	
assistants who are associated with the UTC.	during the reporting period that were taught by faculty and/or teaching	
	Undergraduate Courses	9
	Graduate Courses	10
	Total	0
2. Number of students participating in transportation		
	Undergraduate Students	0
	Graduate Students	14
	Total	14
3. Number of transportation-related advance degree	e programs that utilize grant funds to support graduate students.	
3. Number of transportation-related advance degree	Master's Level Programs	3
	Doctoral Level Programs	3
	Total	6
4. Number of graduate students supported by this g	rant.	
	Master's Level Student Stipends	7
	Doctoral Level Student Stipends	3
	Total	10
5. Number of student supported by this grant who re	-	4
	Master's Level Student Stipends	7
	Doctoral Level Student Stipends Total	<u>7</u>
	Total	
6. Number of outreach events conducted for K-12 a	udiences.	4
7. Number of graduate courses (included in measur	re one) that are offered online.	0
Technology Transfer		
1. Number of transportation seminars, symposia, di	stance learning classes, etc. conducted by transportation professionals.	1
2. Number of transportation professionals participat	ing in those events.	20
3. Number of annual reports and newsletters publish	hed.	1
Collaboration		
_	or telephone conferences of the MPC executive committee to discuss	
program administration and plans for collaboration a	-	0
2. Number of projects involving faculty or students f	rom more than one university.	0
3. Number of students participating in MPC graduat	e student symposia.	0
4. Number of faculty members who hold affiliated fa	culty status at other MPC universities.	0
5. Number of collaborative research projects involvi	ng faculty and students from more than one MPC university.	0
6. Number of collaborative conference or workshops	s involving several universities, agencies, or LTAP center.	2

University Transportation Centers Program Performance Indicators

Mountain-Plains Consortium University of Colorado Denver FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2023 - September 30, 2024

Performance Indicators

associated with the UTC.	eporting period that were taught by faculty and/or teaching assistants who are
Undergraduate Courses Graduate Courses	14
2. Number of students participating in transportation research pro	ojects funded by this grant.
Undergraduate Students Graduate Students	<u>0</u>
Graduate Students	
3. Number of transportation-related advance degree programs th	nat 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	0
Master's Students	6
Doctoral Students	12
5. Number of student supported by this grant who received degre	ees.
Undergraduate Students	0
Master's Level Programs	6
Doctoral Level Programs	2
Number and total dollar value of research projected selected for	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	22
Dollar value of applied research projects	\$1,708,587.00

UTC Specific Indicators

Number of advanced research projects

Dollar value of advanced research projects

Research

1. Number of transportation research projects selected.	22
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 UTC-funded research projects.	0
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.	12
7. Number of peer reviewed MPC research reports published.	9
8. Number of peer-reviewed journal articles published by faculty.	25
9. Number of peer-reviewed conference papers published by faculty.	6
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	26

\$0.00

Leadership 1. Number of journal editions published by MPC Universities. 3 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 organizations such as TRB, TRF, ASCE, ITE, etc. 6 4. Number of awards received by MPC faculty or programs. 1 0 5. Number of conferences and workshops help or sponsored by MPC Universities. 6. Number of unique organizations represented at MPC sponsored conferences and workshops. 0 7. Number of individuals attending MPC conferences and workshops. 0 8. Number of peer-reviewed journal articles and conference papers presented. 13 **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** 6 **Graduate Courses** 14 20 Total 2. Number of students participating in transportation research projects funded by this grant. **Undergraduate Students** 0 **Graduate Students** 18 Total 18 3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students. Master's Level Programs **Doctoral Level Programs** 3 Total 6 4. Number of graduate students supported by this grant. Master's Level Student Stipends **Doctoral Level Student Stipends** 12 18 Total 5. Number of student supported by this grant who received degrees. Master's Level Student Stipends **Doctoral Level Student Stipends** 2 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. 1 **Technology Transfer** 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. 2. Number of transportation professionals participating in those events. 100 3. Number of annual reports and newsletters published. 0 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. 6 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. 0 5. Number of collaborative research projects involving faculty and students from more than one MPC university. 1

6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.

University Transportation Centers Program Performance Indicators Mountain-Plains Consortium University of Denver

FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2023 - September 30, 2024

Performance Indicators

Number of transportation-related courses offered during the repassociated with the UTC. Undergraduate Courses Graduate Courses	oorting period that were taught by faculty and/or teaching assistants who are 6 12
Number of students participating in transportation research proj Undergraduate Students Graduate Students	ects funded by this grant. 0 1
Number of transportation-related advance degree programs that Master's Level Programs Doctoral Level Programs	at utilize grant funds to support graduate students. 1 1
Number of graduate students supported by this grant. Undergraduate Students Master's Students Doctoral Students	0 0 1
5. Number of student supported by this grant who received degree Undergraduate Students Master's Level Programs Doctoral Level Programs	0 0 1
6. Number and total dollar value of research projected selected for consider to be applied research and advanced research. Number of applied research projects Dollar value of applied research projects Number of advanced research projects Dollar value of advanced research projects	r funding using UTC grant funds (Federal and/or Recipient Share) that you 7 \$1,212,298.00 0 \$0.00
UTC Specific Indicators	
Research 1. Number of transportation research projects calcuted	-

Number of transportation research projects selected.	7
2. Total matching dollar leveraged for research.	\$1,212,298.00
3. Number of faculty members involved in research projects.	2
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.	1
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.	0
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.	75
8. Number of peer-reviewed journal articles and conference papers presented.	2
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	0
Graduate Courses	4
Total	4
Number of students participating in transportation research projects funded by this grant.	
Undergraduate Students	0
Graduate Students	1
Total	1
3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students.	
Master's Level Programs	0
Doctoral Level Programs	0
Total	0
4. Number of graduate students supported by this grant.	
Master's Level Students Stipends	0
Doctoral Level Student Stipends	0
Total	0
5. Number of student supported by this grant who received degrees.	
Master's Level Student Stipends	0
Doctoral Level Student Stipends	0
Total	0
6. Number of outreach events conducted for K-12 audiences.	0
7. Number of graduate courses (included in measure one) that are offered online.	0
Technology Transfer	•
1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals.	6
Number of transportation professionals participating in those events.	75
3. Number of annual reports and newsletters published.	1
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.	4
Number of projects involving faculty or students from more than one university.	0
Number of students participating in MPC graduate student symposia.	0
 Number of faculty members who hold affiliated faculty status at other MPC universities. 	1
·	
5. Number of collaborative research projects involving faculty and students from more than one MPC university. 6. Number of collaborative conference or workshops involving according according agreement and according to the conference of the conference or workshops involving according to the conference of the conference or workshops involving according to the conference or workshops involving the conference or workshops involving according to the conference or workshops involving according to the conference or workshops involving according to the conference or workshops in the conferenc	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 University of Utah FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2023 - September 30, 2024

Performance Indicators

1. Number of transportation-related courses offered during the report associated with the UTC.	rting period that were taught by faculty and/or teaching assistants who are
Undergraduate Courses	8
Graduate Courses	6
-	
Number of students participating in transportation research project	cts funded by this grant.
Undergraduate Students	4
Graduate Students	17
3. Number of transportation-related advance degree programs that	utilize grant funds to support graduate students
Master's Level Programs	4
Doctoral Level Programs	16
Bootoral Ecver i Tograms	
4. Number of graduate students supported by this grant.	
Undergraduate Students	2
Master's Students	7
Doctoral Students	13
5. Number of student supported by this grant who received degrees	
Undergraduate Students	. 0
Master's Level Programs	3
Doctoral Level Programs	6
Boctoral Level i Tograms	
6. Number and total dollar value of research projected selected for f	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	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

UTC Specific Indicators

1. 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.	12
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.	16
7. Number of peer reviewed MPC research reports published.	8
8. Number of peer-reviewed journal articles published by faculty.	18
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.	23

Leadership 1. Number of journal editions published by MPC Universities. 7 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 organizations such as TRB, TRF, ASCE, ITE, etc. 7 4. Number of awards received by MPC faculty or programs. 3 2 5. Number of conferences and workshops help or sponsored by MPC Universities. 6. Number of unique organizations represented at MPC sponsored conferences and workshops. 0 7. Number of individuals attending MPC conferences and workshops. 6 8. Number of peer-reviewed journal articles and conference papers presented. 23 **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** 8 **Graduate Courses** 6 14 Total 2. Number of students participating in transportation research projects funded by this grant. **Undergraduate Students Graduate Students** 20 Total 24 3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students. Master's Level Programs **Doctoral Level Programs** 11 Total 16 4. Number of graduate students supported by this grant. Master's Level Student Stipends **Doctoral Level Student Stipends** 13 19 Total 5. Number of student supported by this grant who received degrees. Master's Level Student Stipends **Doctoral Level Student Stipends** 5 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. 0 **Technology Transfer** 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. 6 2. Number of transportation professionals participating in those events. 105 7 3. Number of annual reports and newsletters published. 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. 3 2. Number of projects involving faculty or students from more than one university. 6 3. Number of students participating in MPC graduate student symposia. 7 4. Number of faculty members who hold affiliated faculty status at other MPC universities. 0 5. Number of collaborative research projects involving faculty and students from more than one MPC university. 3

6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.

University Transportation Centers Program Performance Indicators Mountain-Plains Consortium

University of Wyoming FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2023 - September 30, 2024

Performance Indicators

•	porting period that were taught by faculty and/or teaching assistants who are
associated with the UTC.	
Undergraduate Courses	9
Graduate Courses	6
Number of students participating in transportation research pro	ojects funded by this grant.
Undergraduate Students	0
Graduate Students	6
3. Number of transportation-related advance degree programs the	at 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	3
5. Number of student supported by this grant who received degre	
Undergraduate Students	0
Master's Level Programs	1
Doctoral Level Programs	0
Doctoral Level F Tograms	
 Number and total dollar value of research projected selected for consider to be applied research and advanced research. 	or funding using UTC grant funds (Federal and/or Recipient Share) that you
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

UTC Specific Indicators

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.	4
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.	3
6. Number of doctoral students involved in UTC-funded research projects.	3
7. Number of peer reviewed MPC research reports published.	3
8. Number of peer-reviewed journal articles published by faculty.	9
9. Number of peer-reviewed conference papers published by faculty.	1
10. Number of peer-reviewed journal articles or conference papers authored or co-authored by graduate students.	4

Leadership 1. Number of journal editions published by MPC Universities. 2 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 organizations such as TRB, TRF, ASCE, ITE, etc. 3 4. Number of awards received by MPC faculty or programs. 0 0 5. Number of conferences and workshops help or sponsored by MPC Universities. 6. Number of unique organizations represented at MPC sponsored conferences and workshops. 0 7. Number of individuals attending MPC conferences and workshops. 0 3 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 by faculty and/or teaching assistants who are associated with the UTC. **Undergraduate Courses** 6 **Graduate Courses** 5 11 Total 2. Number of students participating in transportation research projects funded by this grant. **Undergraduate Students Graduate Students** 6 Total 6 3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students. Master's Level Programs **Doctoral Level Programs** Total 4. Number of graduate students supported by this grant. Master's Level Student Stipends **Doctoral Level Student Stipends** 3 6 Total 5. Number of student supported by this grant who received degrees. Master's Level Student Stipends **Doctoral Level Student Stipends** 0 Total 6. Number of outreach events conducted for K-12 audiences. 7. Number of graduate courses (included in measure one) that are offered online. 0 **Technology Transfer** 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. 29 2. Number of transportation professionals participating in those events. 1008 2 3. Number of annual reports and newsletters published. 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. 2. Number of projects involving faculty or students from more than one university. 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. 0 5. Number of collaborative research projects involving faculty and students from more than one MPC 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

Utah State University FASTACT 69A3551747108 (MPC-533 – MPC-701) October 1, 2023 - September 30, 2024

Performance Indicators

	of transportation-related courses offered during the reporwith the UTC. Undergraduate Courses Graduate Courses	ting period that were taught by faculty and/or teaching assistants who are 9 8
2. Number o	of students participating in transportation research project Undergraduate Students Graduate Students	ts funded by this grant. 12 12
3. Number o	of transportation-related advance degree programs that u Master's Level Programs Doctoral Level Programs	ntilize grant funds to support graduate students. 3 3
1. Number o	of graduate students supported by this grant. Undergraduate Students Master's Students Doctoral Students	9 5 7
5. Number o	of student supported by this grant who received degrees. Undergraduate Students Master's Level Programs Doctoral Level Programs	6 4 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	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

UTC Specific Indicators

Number of transportation research projects selected.	24
2. Total matching dollar leveraged for research.	\$1,708,587.00
3. Number of faculty members involved in research projects.	8
4. Number of undergraduate students involved in UTC-funded research projects.	6
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.	14
7. Number of peer reviewed MPC research reports published.	11
8. Number of peer-reviewed journal articles published by faculty.	2
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.	4

Leadership 1. Number of journal editions published by MPC Universities. 3 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 organizations such as TRB, TRF, ASCE, ITE, etc. 8 4. Number of awards received by MPC faculty or programs. 2 0 5. Number of conferences and workshops help or sponsored by MPC Universities. 6. Number of unique organizations represented at MPC sponsored conferences and workshops. 0 7. Number of individuals attending MPC conferences and workshops. 0 0 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 by faculty and/or teaching assistants who are associated with the UTC. **Undergraduate Courses** 9 **Graduate Courses** 8 17 Total 2. Number of students participating in transportation research projects funded by this grant. **Undergraduate Students** 6 **Graduate Students** 21 Total 27 3. Number of transportation-related advance degree programs that utilize grant funds to support graduate students. Master's Level Programs **Doctoral Level Programs** 3 Total 6 4. Number of graduate students supported by this grant. Master's Level Student Stipends **Doctoral Level Student Stipends** 14 21 Total 5. Number of student supported by this grant who received degrees. Master's Level Student Stipends **Doctoral Level Student Stipends** 6 Total 11 6. Number of outreach events conducted for K-12 audiences. 7. Number of graduate courses (included in measure one) that are offered online. 0 **Technology Transfer** 1. Number of transportation seminars, symposia, distance learning classes, etc. conducted by transportation professionals. 151 2. Number of transportation professionals participating in those events. 2195 2 3. Number of annual reports and newsletters published. 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. 2 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. 0 5. Number of collaborative research projects involving faculty and students from more than one MPC university. 0

6. Number of collaborative conference or workshops involving several universities, agencies, or LTAP center.