

1-1-2015

Transit Focused UTC - January 1, 2015–December 31, 2015

NCTR

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NCTR, "Transit Focused UTC - January 1, 2015–December 31, 2015" (2015). *NCTR Transit Focused UTC*. 29.
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**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

Performance Indicators for University Transportation Centers (UTCs)

Part I – Program-Wide Indicators

Report the program-wide indicator metrics for the completed grant year and for the institution(s) comprising your UTC, unless the indicators are included in Part II below.

In the event that a sub-grantee university participates in more than one UTC, include only the metrics corresponding with your grant.

Program-wide Indicators	
1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.	<ul style="list-style-type: none"> • Undergraduate courses _____ 4 _____ • Graduate courses _____ 21 _____
2. Number of students participating in transportation research projects funded by this grant	<ul style="list-style-type: none"> • Undergraduate students _____ 0 _____ • Graduate students _____ 8 _____
3. Number of transportation-related advanced degree programs that utilize grant funds to support graduate students.	<ul style="list-style-type: none"> • Master’s Level Programs _____ 5 _____ • Doctoral Level Programs _____ 1 _____
4. Number of graduate students supported by this grant	<ul style="list-style-type: none"> • Master’s Level Students Supported _____ 7 _____ • Doctoral Level Students Supported _____ 1 _____
5. Number of students supported by this grant who received degrees	<ul style="list-style-type: none"> • Master’s Level Degrees _____ 5 _____ • Doctoral Level Degrees _____ 1 _____
6. Number and total dollar value of research projects selected for funding using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research:	<ul style="list-style-type: none"> • Applied research projects & dollar value _____ 12 \$912,924 _____ _____ • Advanced research projects & dollar value _____ _____

**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

Part II – UTC-Specific Indicators

Report here the annual performance metrics that you identified in your application for each category below, include the description of the indicator and the corresponding metric.

In the event that a sub-grantee university participates in more than one UTC, include only the metrics corresponding with your grant.

Category	Description of indicator	Metric
1. Research Capability	<ul style="list-style-type: none"> • Number of papers published • Number of times the papers have been cited in other professional papers and the media • Number of presentation of research results at professional conferences of an academic nature and at industry association conferences • Number of research projects completed and number of times they have been downloaded from our websites • Number of students participating in transportation research projects • Awards and distinctions received 	<p>1</p> <p>Nothing to report</p> <p>22+33 (NDSU)+1 (UIC)</p> <p>Not available at this time</p> <p>8</p> <p>2015 National Roadway Safety Award to FDOT D7; CUTR recognized on the development of the Advanced Lighting Measurement System</p>

**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

		<p>Two patents received as follows:</p> <ul style="list-style-type: none"> - US Patent # 9,047,384 - System & Method for Automatically Determining Purpose Information for Travel Behavior - - US Patent # 9,130,995 - System and Method for Rendering a Distributed Location-Aware System <p>CUTR student Recipient of the 2015 Daniel B. Fambro Student Paper Award (Godfrey)</p>
<p>2. Leadership</p>	<ul style="list-style-type: none"> • Number of national and professional committees that our consortium members lead. 	<p>31 as follows:</p> <p>TRB Chair- Bus Transit Systems Committee (Hinebaugh)</p> <p>TRB Chair- BRT Conference Planning Subcommittee (Hinebaugh)</p> <p>CUTC-President of the Executive Board (Volinski)</p> <p>ITE Chair- Intelligent Traffic Signal Operations Committee (Lin)</p> <p>Chair – Research, Education, and Training Reauthorization Coalition (Volinski)</p> <p>Co-Chair of the FPTA Hall of Fame nominating committee (Vollinski)</p>

**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

		<p>President- International Chinese Transportation Professional Association (Lin)</p> <p>TRB Presiding Officer, National Transportation Data Requirements & Programs Committee (Polzin)</p> <p>Co-Chair NTI National Transit GIS Conference (Catala)</p> <p>TRB- Moderator for BRT Operations and Issues (Hinebaugh)</p> <p>TRB Co-Chair-Second International Access Management Conference, Shanghai, China 2014 (Williams)</p> <p>TCRP Panel D-13 Guide for Implementing Bus on Shoulder Systems (Hinebaugh)</p> <p>Chair- Kuhmo Nectar Conference- Transportation and Urban Form (Concas)</p> <p>Vice Chair of TRB Public Transportation Group (Hinebaugh)</p> <p>APTA Vice Chair of BRT Task Force (Hinebaugh)</p> <p>TRB Vice Chair- Transit Capacity & Quality of Service Committee (AP015) (Perk)</p> <p>TRB- Co-Chair & Secretary- Environmental Justice in Transportation (ADD50) (Thole)</p>
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**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

		<p>Chair of the University Liaison Committee for the APTA Research and Technology Committee (Volinski)</p> <p>Presiding Officer- National Transportation Data Requirements & Program Committee of TRB (Polzin)</p> <p>Editorial Board for <i>Journal of Public Transportation</i> (Polzin)</p> <p>Editorial Board for <i>Journal of Safety & Security</i> (Chu)</p> <p>Editor, Quarterly Newsletter for <i>Chinese Transportation Professional Assoc.</i> (Lin)</p> <p>Transit Ambassador Emeritus for the Transit Cooperative Research Program (Volinski)</p> <p>Chair of the Transit Systems Awards Committee (Volinski)</p> <p>Member Emeritus, TDM Committee of TRB (Winters)</p> <p>Secretary, Board of Directors of Transportation Demand Management Institute (Winters)</p> <p>Executive Committee member, Management & Operations/ITS Council of ITE (Lin)</p> <p>APTA – Moderator at Safety Roundabout (Staes)</p> <p>TRB State, Transit, and University Representative (Polzin)</p>
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**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

		<p>ITE Secretary, Transportation Planning Council (Winters)</p> <p>National Transit GIS Conference Co-Chair (Catala)</p>
	<ul style="list-style-type: none"> • Number of significant roles our research faculty play in forums designed to identify transit research needs 	<p>USF 23</p> <p>APTA Research & Technology Committee (Volinski) (Staes)</p> <p>NITC National Institute for Transportation & Communities Executive Committee (Volinski)</p> <p>TCRP Research Proposal Screening Committee (Volinski)</p> <p>TRB Committee on Paratransit (AP060) (Volinski)</p> <p>APTA R&T Chair of the University Liaison Subcommittee (Volinski)</p> <p>TRB USDOT Five-Year RD&T Strategic Plan (Polzin)</p> <p>TRB ADD50 Environmental Justice in Transportation (Thole)</p> <p>TRB ADD40 Transportation and Sustainability Committee (Mistretta)</p> <p>TRB Transportation and Land Development Committee (ADD30) (Seggerman)</p> <p>TRB Florida Transportation Model Task Force – Freight Committee (Ozkul)</p>

**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

		<p>ADD20 Social/Economics Committee (Perk)</p> <p>APO20 Emerging & Innovative Public transportation Systems and Technology Committee (Mistretta)</p> <p>TRB- International Association of Travel Behavior Research (Concas)</p> <p>TEAM Florida- Director of Research (Reich)</p> <p>Transportation Management Center (TMC) (Lin)</p> <p>TRB Freight Transportation and Economics & Regulation Committee (Ozkul)</p> <p>TRB Highway Capacity & Quality of Service Performance Measures Committee (Ozkul)</p> <p>TRB Congestion Pricing Committee (Pessaro)</p> <p>TRB Task Force for National Household Travel Survey ABJ45 (Polzin)</p> <p>APTA Policy and Planning (Polzin)</p> <p>APTA Mentor, Early Career Mentor Program for Marco Sandusky of HART (Volinski)</p> <p>TRB Task Force on Transit Safety and Security (Staes)</p> <p>APTA Bus Safety Committee (Staes)</p>
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**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

	Number of professional development workshops and conferences for which we develop programs	<p>TRB BRT Conference Planning Committee (Hinebaugh)</p> <p>Florida Public Transit Association Annual Meeting (Goodwill)</p> <p>Southeast Regional UTC Conference (Volinski and Hinebaugh)</p> <p>Co-Chair of Conference Program Committee for ACT (Bond)</p> <p>Co-Chair of USF Sustainable Transportation Subcommittee (Hendricks)</p> <p>Co-Chair of GIS in Transit Biannual Conference (Catala)</p>
	Number of presentation and papers published	56 presentations at professional transportation meetings/ conferences and 1 papers published
	Number of research agendas prepared in consultation with FTA and state DOTs	FTA has identified 8 research projects as noted in the report. FDOT, NNDOT and IDOT have approved 25 projects for this grant.
3. Education and Workforce Development	Number of students who graduate from transportation-related programs and their placement in the industry	2
	Number of students who graduate from non-transportation-related programs who are employed by consortium members and their placement in the industry	2
	Number of opportunities for students to serve as interns and/or technical assistants to transit agencies within	Nothing to report

**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

	reasonable distance of our consortium members	
	Number of students who participate in the public transit courses being delivered through the newly established Transportation Leadership Graduate Certificate Program	4
	Number of people participating in training programs offered by the consortium and survey them for how it has impacted their skills	4114 for USF transit safety training, 140 for USF Commuter Choice Certificate program, 224 for USF Social Marketing in Transportation courses and and 3503 through NDSU's Rural Transit Training Program
	Number of transportation related courses offered that were taught by faculty and /or teaching assistants associated with NCTR consortium	9
	Number of students participating in transportation-related projects funded by the grant	8
	Number of transportation-related advanced degree programs that use grant funds to support graduate students	7
	Number of graduate students supported by the grant	8
	Number of students supported by the grant who received degrees	6
4. Technology Transfer	Number of times NCTR research reports and research-related articles are published and the publications in which they appear	18
	Number of citations in professional journals and media reports	4
	Number of presentations made at national, international, and statewide	18
	Number of professionals in attendance at presentations at national, international,	4114 for USF transit safety training,

**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

	state and regional professional conferences	140 for USF Commuter Choice Certificate program, 224 for USF Social Marketing in Transportation courses and and 3503 through NDSU’s Rural Transit Training Program
	Number of inquiries made to researchers	Not available at this time
	Number of visits to NCTR website(s), retweeted tweets, on-line discussions created about NCTR research reports	<p>NCTR has 777 Twitter followers.</p> <p>We host two listserv types: discussion listserv to allow peer-to-peer exchanges and announcement listserv to distribute information from NCTR to interested parties about new research reports, web conferences, etc. See below. There was at least 12% increase in subscribers in 2015 (about half of that growth is the TDM listserv).</p> <ul style="list-style-type: none"> • Transportation demand management (discussion) –470 • Bus Rapid Transit (discussion) – 636 • Bus Fleet Maintenance (discussion)- 617 • Journal of Public Transportation (announcement) – 937 • Sustainable Transport Indicators (discussion) – 485 • Telework (discussion) - 434 • Parking Management (discussion) – 441

**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

		<ul style="list-style-type: none"> • Rural Transit Assistance Program (discussion) – 107 • Best Workplaces for Commuters (discussion) -201 • Best Workplaces for Commuters champions (discussion)- 140 • Transit safety (discussion) – 135 • Substance Abuse Management (discussion) – 53 • Large Employer Commuter Programs (discussion)- 28 • Florida Operations Network-90 • National Center for Transit Research (announcements) -821
	Implement longitudinal analysis of a select number of research projects to quantify their impact over a multi-year timeframe	No projects lend themselves to such analysis at this time.
	Survey leaders of major transportation industry trade associations to discover specific ways NCTR’s research findings have been used	List developed for use when research is completed.
	Interview third-party stakeholders involved in research projects	Florida Public Transportation Association, Federal Transit Administration, American Public Transportation Association, Hillsborough Area Transit Authority, Association for Commuter Transportation
	At the outset of a project, identify the method for tracking the impact of the completed research, including identifying	All PIs establish a peer review panel for their project as one way of informing an interested subset of the

**National Center for Transit Research (NCTR)
Annual Performance Metrics**

January 1, 2015- December 31, 2015

	and notifying the most likely users of the results	industry about the project. Some projects develop direct recommendations for specific actions (e.g. developing signage to prevent traffic crossings at commuter rail intersections), and for those it is easy to determine the impact. For other projects that are intended for the entire industry with no specific client, it remains a challenge to find out the complete impact of a completed research project. NCTR will probably start the process of asking those who download such reports to leave their contact information so a follow up survey can be sent to determine if the report findings were implemented.
	Use data collected to assess how well the research impacts transportation professionals and the organizations and communities they serve	Not available at this time.
5. Collaboration	Peer review process	Continues throughout program
	Number of projects using joint faculty from partner institutions	6