

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

January 1, 2014- December 31, 2014

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 _____ <u>12</u> _____ • Graduate courses _____ <u>32</u> _____
2. Number of students participating in transportation research projects funded by this grant	<ul style="list-style-type: none"> • Undergraduate students _____ <u>6</u> _____ • Graduate students _____ <u>29</u> _____
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 _____ <u>4</u> _____ • Doctoral Level Programs _____ <u>3</u> _____
4. Number of graduate students supported by this grant	<ul style="list-style-type: none"> • Master’s Level Students Supported _____ <u>19</u> _____ • Doctoral Level Students Supported _____ <u>12</u> _____
5. Number of students supported by this grant who received degrees	<ul style="list-style-type: none"> • Master’s Level Degrees _____ <u>13</u> _____ • Doctoral Level Degrees _____ _____
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 _____ <u>36 projects totaling</u> _____ _____ <u>\$4,757,619</u> _____ • Advanced research projects & dollar value _____ _____ _____ _____

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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>15</p> <p>7</p> <p>52</p> <p>16</p> <p>37</p> <p>Survey result- Journal of Public Transportation, NCTR, USF chosen as an <u>essential transportation publication</u>.</p> <p>CUTR received the <u>President's Award</u> for Partner of the Year by the Association for Commuter Transportation (ACT).</p> <p><u>Three patents</u> were awarded to USF for transportation software development: (1) US Patent #8,751,162- System for pattern recognition in Real-time Location-</p>

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		<p>Based Services Applications (2) US Patent #8,725,831- Architecture and Two- Layered Protocol for Real-Time Location-Aware Applications (3) US patent #8,718,671 –Adaptive Location Data Buffering for Locations-Aware Applications</p> <p><u>License of WiVia patent</u> (#8,045,954-Wireless Emergency Reporting System) to EmergenSee.</p>
<p>2. Leadership</p>	<ul style="list-style-type: none"> • Number of national and professional committees that our consortium members lead. 	<p>TRB Chair- Bus Transit Systems Committee (Hinebaugh)</p> <p>TRB Chair- BRT Conference Planning Subcommittee (Hinebaugh)</p> <p>CUTC-Vice-President of the Executive Board (Volinski)</p> <p>CUTC Executive Committee and Treasurer (Hough)</p> <p>ITE Chair- Intelligent Traffic Signal Operations Committee (Lin)</p> <p>President- International Chinese Transportation Professional Association (Lin)</p> <p>President - Leadership APTA Alumni Association (Volinski)</p> <p>Chair- FPTA Annual Conference (Goodwill)</p> <p>Chair- ITE Traffic Simulation Subcommittee (Fabregas)</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>

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		<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>APTA- Subcommittee on Higher Education – (Hough)</p> <p>TRB Rural and Intercity Bus AP055 (Hough)</p> <p>TRB- Co-Chair & Secretary- Environmental Justice in Transportation (ADD50) (Thole)</p> <p>TRB State, Transit and University Representative (Polzin)</p> <p>Presiding Officer- National Transportation Data Requirements & Program Committee of TRB (Polzin)</p> <p>Editorial Board for <i>Transportation</i> (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>Transit Ambassador Emeritus for the Transit Cooperative Research Program (Volinski)</p> <p>Member Emeritus, TDM Committee of TRB (Winters)</p>
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		<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>RTAP-National Rural Transit Assistance Program Review Board Selection Committee (Goodwill)</p> <p>APTA – Moderator at Safety Roundabout (Staes)</p>
	<ul style="list-style-type: none"> • Number of significant roles our research faculty play in forums designed to identify transit research needs 	<p>Transit Research Advisory Council (Polzin)</p> <p>APTA Research & Technology Committee (Volinski)</p> <p>TCRP Research Proposal Screening Committee (Volinski)</p> <p>ADD50 Environmental Justice in Transportation (Thole)</p> <p>ADD40 Transportation and Sustainability Committee (Mistretta)</p> <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>Number of professional development workshops and conferences for which we</p>	<p>TRB BRT Conference Planning Committee (Hinebaugh)</p>

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	develop programs	<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	52 presentations at professional transportation meetings/ conferences and 7 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	11
	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 reasonable distance of our consortium members	2
	Number of students who participate in the public transit courses being delivered through the newly established Transportation Leadership Graduate Certificate Program	0 (Public Transportation course will be offered in 2016)
	Number of people participating in training programs offered by the consortium and survey them for how it has impacted their skills	226 for USF transit training, 140 for USF Commuter Choice Certificate program, 240 for USF Social Marketing

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		in Transportation courses and and 915 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	48
	Number of students participating in transportation-related projects funded by the grant	37
	Number of transportation-related advanced degree programs that use grant funds to support graduate students	7
	Number of graduate students supported by the grant	37
	Number of students supported by the grant who received degrees	14
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	18
	Number of presentations made at national, international, and statewide professional conferences	18
	Number of professionals in attendance at presentations at national, international, state and regional professional conferences	720
	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	From July 1, 2014 – December 31, 2014 www.nctr.usf.edu had 31,153 sessions, 26096 users, and 55,530 page views. NCTR has 600 Twitter followers. We host two listserv types: discussion

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		<p>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.</p> <p>Transportation demand management (discussion)- 2,569 active subscribers NCTR (announcement)- 1,575 Bus Rapid Transit (discussion)- 656 Journal of Transportation (announcement)-647 Sustainable Transport Indicators (discussion)-478 Telework (Discussion)- 417 Parking Management (discussion)-415 Rural Transit Assistance Program (discussion)-183 Best Workplaces for Commuters- 160</p>
	<p>Implement longitudinal analysis of a select number of research projects to quantify their impact over a multi-year timeframe</p>	<p>No projects lend themselves to such analysis at this time.</p>
	<p>Survey leaders of major transportation industry trade associations to discover specific ways NCTR’s research findings have been used</p>	<p>List developed for use when research is completed.</p>
	<p>Interview third-party stakeholders involved in research projects</p>	<p>Florida Public Transportation Association, Federal Transit Administration, American Public Transportation Association, Hillsborough Area Transit Authority, Association for Commuter</p>

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		Transportation
	At the outset of a project, identify the method for tracking the impact of the completed research, including identifying and notifying the most likely users of the results	All PIs establish a peer review panel for their project as one way of informing an interested subset of the 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