

FINAL DRAFT (1-16-14 version) of the Top 25 Strategic Plan of the Research & Engagement Advisory Council (REAC): Proposed Top 25 Research Strategic Plan Metrics

Color Code:

Total Research Expenditures Growth (TREs)

Federal Research Expenditures Growth (FRES)

Engaged Outreach

Faculty Support

Student Support

Research Infrastructure Support

	Primary Metric	Secondary Metric	Action Item	Priority: H, M, L or NA (if the matter is already underway)	Leads (<i>prime lead</i>)	2013 Reference (subject to change)	2014 Goal (subject to change) above prior year base	2015 Goal (subject to change) above prior year base	2016 Goal (subject to change) above prior year base	2020 Goal (to be developed later)	Comment
1	Increase TRE	Engagement- State of Tennessee for Research Capacity	Fully hire remaining four GC slots	NA	SAC, Provost <i>Eighmy</i> , Deans	3	+3	+1	-	-	There are presently four slots, with eight candidates under various levels of consideration
2	Increase TRE	Engagement- State of Tennessee for Research Capacity	Seek additional new GC slots	NA	UT System, UTK, ORNL <i>TBD</i>	NA	-	+3	+3	-	Under consideration
3	Increase TRE	Engagement- State of Tennessee for Research Capacity	Seek annual increase in Science Alliance appropriation	NA	UTK, UT System, <i>TBD</i>	NA	-	+\$3M	-	-	Under consideration
4	Increase TRE	Engagement- State of Tennessee for Research Capacity	Seek annual increase in Joint Institute support (e.g., incentive fund)	H	UTK, UT System, <i>TBD</i>	NA	-	+\$5M	-	-	Under consideration
5	Increase TRE	Engagement- State of Tennessee for Research Capacity	State support of Firefly proposal	NA	<i>Patterson</i>	\$1.3M	+\$5M	+\$5M	+\$5M	-	\$20M commitment is on the table
6	Increase TRE	Engagement- Alumni	New Endowed Chair Payout Accounts that can be R designated	NA	<i>Rabenold</i>	NA	+3	+4	+5	-	Endowment payout coded as R acct to be implemented
7	Increase TRE	Engagement- Corporate Partnerships	New annual Master Research Agreements	NA	<i>Eighmy</i>	0	+2	+2	+2	-	Presently underway

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8	Increase TRE	Engagement- Corporate Partnerships	New annual R&D Contracts	NA	<i>Gibson, Ballentine</i>	0	+5	+5	+5	-	Presently underway
9	Increase TRE	Engagement- Corporate Partnerships	New corporate fellows (faculty awarded)	NA	<i>Ballentine, Gibson</i>	0	+1	+2	+3	-	Presently underway
10	Increase TRE	Engagement- Corporate Partnerships	Gifts for chairs, professorships that can be R designated	NA	<i>Rabenold</i>	10 (?)	+2	+2	+2	-	Presently underway
11	Increase TRE	Engagement- Corporate Partnerships	Gifts for capital projects that can be R designated	NA	<i>Rabenold</i>	0 (?)	+3	+3	+3	-	Presently underway
12	Increase TRE	Engagement- Corporate Partnerships	Gifts for crowd sourcing that can be R designated	NA	<i>Rabenold</i>	0 (?)	+5	+5	+5	-	Presently underway
13	Increase TRE	Engagement- Corporate Partnerships	Increase funding from licensing partners (e.g. from master research agreement fees)	NA	<i>Washburn</i>	0	+\$1M	+\$1M	+1.5M	-	Presently underway
14	Increase TRE	Engagement- Corporate Partnerships	Increase royalty and other forms of payment from IP	NA	<i>Washburn</i>	\$1.5M	+\$0.5M	+0.5M	+0.5M	-	Presently underway
15	Increase TRE	Engagement- Corporate Partnerships	Grow SBIR/STTR awards (\$100k each initially)	NA	<i>Patterson</i>	3 (?)	+3	+5	+7	-	Presently underway
16	Increase TRE	Engagement- Foundation Partnerships	New annual substantive foundation partnerships (\$0.5M	NA	<i>Morris, Ballentine</i>	3 (?)	+2	+2	+2	-	Presently underway

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			each annually)								
17	Increase TRE	Engagement- Foundation Partnerships	New annual substantive foundation projects (\$0.1M annually)	NA	<i>Morris, Ballentine</i>	10 (?)	+5	+5	+5	-	Presently underway
18	Increase TRE	NA	NACUBO Separately Budgeted	NA	<i>Cimino</i>	NA	-	-	-	-	Presently underway
19	Increase FRE	Engagement- State of Tennessee for Research Capacity	Fully hire remaining four GC slots	NA	SAC, Provost <i>Eighmy, Deans</i>	3	+3	+1	-	-	There are presently four slots, with eight candidates under various levels of consideration
20	Increase FRE	Engagement- State of Tennessee for Research Capacity	Seek additional new GC slots	H	UT System, UTK, ORNL <i>TBD</i>	NA	-	+3	+3	-	Under consideration
21	Increase FRE	Engagement- Federal Government	Increase Federal single PI awards above base	H	<i>Lodato, Faculty, Associate Deans for Research</i>	400 (?)	+50	+50	+50	-	To be implemented
22	Increase FRE	Engagement- Federal Government	Increase Federal multi PI awards above base	H	<i>Lodato, Faculty, Associate Deans for Research</i>	400 (?)	+50	+50	+50	-	To be implemented
23	Increase FRE	Engagement- Federal Government	Secure new Federal large center awards (e.g., EFRCs, IMIs, ERCs, I/UCRCs, STCs, MRCT, Centers of Excellence)	NA	<i>Senn, Faculty, Associate Deans for Research</i>	0	+1	+1	+1	-	Presently underway

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24	Increase FRE	Engagement- Federal Government	Increase Federal Early CAREER Awards above base (e.g., NSF CAREER, NIH, DOD young investigator)	NA	<i>Lodato,</i> Faculty, Associate Deans for Research		+3	+3	+3	-	Presently underway
25	Increase FRE	Engagement- Federal Government	Increase Federal funding through new joint faculty appointments	TBD	TBD	\$25M	TBD	TBD	TBD	-	JF Task Force to be implemented
26	Increase FRE	Engagement- Federal Government	Increase Federal diversity-based research awards	NA	<i>See, Hall,</i> <i>Grad School,</i> <i>Provost's</i> <i>Office</i>	2 (?)	+1	+1	+1	-	Presently underway
27	Increase FRE	Engagement- Federal Government	Increase NIH collaborations with UTMC and UHS (And GSM)	NA	<i>Reed,</i> Associate Deans for Research, Faculty	3	+3	+3	+3	-	Presently underway
28	Increase FRE	Engagement- Federal Government	With UTIA, increase USDA collaborative awards	NA	<i>Brown, Reed,</i> Faculty	3	+3	+5	+7	-	Presently underway
29	Increase FRE	Engagement- Federal Government	With UTIA, secure new USDA large center awards (e.g., centers of excellence)	M	<i>Brown, Reed,</i> <i>Senn</i>	0	-	+1	-	-	To be implemented
30	Increase FRE	Engagement- Federal Government	With UTIA, increase USDA funding through new joint faculty appointments	TBD	TBD	TBD	TBD	TBD	TBD	TBD	JF Task Force to be implemented

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31	Engaged Outreach	Community Engagement	McGrath Award nominations/awards	NA	<i>Burman</i>	1/1	+ 1/1	+ 1/1	+ 1/1	-	Presently underway
32	Engaged Outreach	Community Engagement	Academy of Community Engagement Scholarship nominations/awards	NA	<i>Burman</i>	0	+ 1/1	+ 1/1	+ 1/1	-	Presently underway
33	Engaged Outreach	Community Engagement	Number of formal two way partnerships	H	<i>Burman</i>	TBD	TBD	TBD	TBD	-	Needs implementation
34	Engaged Outreach	Community Engagement	Number of engaged individuals/hours of engagement (Faculty, students, staff)	H	<i>Burman</i>	TBD	TBD	TBD	TBD	-	Needs implementation
35	Engaged Outreach	Community Engagement	Annual economic impact	NA	TBD	TBD	TBD	TBD	TBD	-	Presently underway (system in place to do so bi-annually)
36	Engaged Outreach	Community Engagement	Undergraduate community outreach projects established	H	TBD	TBD	TBD	TBD	TBD	-	Under consideration
37	Engaged Outreach	Community Engagement	Number of Scholarly Products on engagement (e.g., papers, presentations, graduate students graduated, undergraduate research projects)	NA	<i>Zomchick, AOEC, Provost's Office, others TBD</i>	TBD	TBD	TBD	TBD	-	Presently underway (Symplectic/Elements)

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38	Engaged Outreach	Community Engagement	Incentive programs to support faculty participation in community engagement	H	<i>Burman, Deans, Heads, Provost's Office</i>	TBD	TBD	TBD	TBD	-	To be implemented
39	Faculty Support	Faculty Development	Increase formal "Community of Scholars"	NA	<i>Reed, Lodato</i>	7	+3	+3	+3	-	Presently underway
40	Faculty Support	Faculty Development	Establish research development staff and/or professional grant writers in each college	H	<i>TBD</i>	TBD	TBD	TBD	TBD	-	To be implemented
41	Faculty Support	Faculty Development	Increase CMUP Faculty Annual Awards through new incentive program	H	<i>Lodato, Zomchick</i>	10	+8	+8	+8	-	Under consideration
42	Faculty Support	Faculty Development	Special focus---New NEH Fellows, Guggenheims, Fulbright awards	NA	<i>Lodato, Associate Deans for Research</i>	6	+3	+3	+3	-	Presently underway
43	Faculty Support	Faculty Development	New internal awards made for the creative arts, humanities and social sciences	M	<i>Lodato, Associate Deans for Research</i>	TBD	TBD	TBD	TBD	-	Under consideration
44	Faculty Support	Faculty Development	New fellows in the American Association for the Advancement of	NA	<i>Lodato, Associate Deans for Research</i>	7	+5	+5	+5	-	Presently underway

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			Science (nom./fellows)								
45	Faculty Support	Faculty Development	New membership in the American Academy of Arts and Sciences (nom./member)	NA	<i>Lodato</i> , Associate Deans for Research	0	+1	+1	+1	-	Presently underway
46	Faculty Support	Faculty Development	New National Academy members	NA	<i>Deans</i> , <i>Eighmy</i>	3	TBD	TBD	TBD	-	Presently underway
47	Faculty Support	Faculty Development	New Corporate R&D program Fellows	NA	<i>Ballentine</i>	0	+2	+2	+2	-	Presently underway
48	Faculty Support	Faculty Development	New IPAs at federal agencies	H	<i>Reed</i>	0	+1	+2	+3	-	To be implemented
49	Faculty Support	Faculty Development	New National Academy of Innovation Fellows (nom./members)	H	<i>Washburn</i>	1	+1	+1	+1	-	Presently underway
50	Student Support	Graduate Student Development	New Externally- funded GRA Expenditures	M	TBD	\$ 30M (?)	TBD	TBD	TBD	-	Under consideration
51	Student Support	Graduate Student Development	New Federal Agency Research Fellowships (e.g., NSF GRFs, EPA STARs)	H	TBD	10 (?)	+5	+5	+7	-	Under consideration
52	Student Support	Graduate Student Development	New Federal Research Awards for Doctoral Students (e.g., NSF dissertation improvement grants)	H	TBD	?	?	?	?	-	Under consideration

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53	Student Support	Undergraduate Student Research	NSF Individual REUs Awarded	M	TBD	TBD	+10	+10	+10	-	Under consideration
54	Student Support	Undergraduate Student Research	UGR Fellowship Program Applications/Awards	H	<i>Eighmy</i>	200/25	+10/+5	+20/+10	+50/+20	-	Under consideration
55	Student Support	Undergraduate Student Research	UGR National Award Applications/awards	NA	<i>Fazio-Veigel</i>	25/10	+5/+3	+5/+3	+5/+3	-	Presently underway
56	Research Infrastructure Support	Increase Quality and Quantity of Research Space	Increase SF (e.g., JIAM, Strong Hall, Melrose, Cumberland & 13 th , Walters footprint, Engineering)	NA	<i>Irvin, Cimino, Assoc. Deans for Facilities</i>	TBD	TBD	TBD	TBD	-	Presently underway
57	Research Infrastructure Support	Increase Core Facilities	Support new core facilities	NA	<i>Reed, ADRs, Core Facility Committee</i>	0	+3	TBD	TBD	-	Presently underway
58	Research Infrastructure Support	Add Essential Enterprise Systems	Add new systems for...	H	<i>Patterson, Reeves</i>	BLAST	TERRA-PAMS update	TBD	TBD	-	Presently underway