



FACULTY SENATE

Research, Scholarship & the Creative Arts Committee

March 18, 2021

12:30-2:00

Microsoft Teams

Present: Mildred Beltre (CAS, Fine Arts Rep), Brandon Bensel (Postdoctoral Association), Vicki Brennan (CAS), Christopher Burns (Faculty Senate President), Mary Cushman (LCOM), Katie Gough (CAS), Rachelle Gould (RSENR), Britt Holmén (CEMS), Micah Hundley (GSS), Dimitry Kremontsov (CNHS), Christie Silkotch (LIB), Daniel Weiss (LCOM), Chun Zhang (GSB)

Absent: Tammy Kolbe (CESS), Jill Preston* (CALs), Vacant (SGA)

Guests: Kirk Dombrowski, Ann Kroll Learner, Vivien Enriquez

Chair Cushman called the meeting to order at 12:30 pm via Microsoft Teams.

1. **Approval of the Minutes.** The minutes of January 2021 were approved with discussion.
2. **UVM Office of Research, Kirk Dombrowski.**

Office of Research

- **Research Development**
 - Office of Engagement
 - UVM Innovations
 - Office of Research Development
 - E-merging Broader Impacts Hub
 - UVMF Corporate and Foundation relations
- **Research Administration**
 - Sponsored Projects Administration
 - Research Protections
 - Research Integrity
 - Research Systems
- **Research Institutes**
 - Gund Institute

- NSF EPSCoR
- NASA EPSCoR
- INBRE/ Vermont Biomedical Research Network
- **Research Infrastructure**
 - Vermont Advance Computing Core
 - Office of Animal Care Management
 - IMF Labs
 - Technical Services Partnership

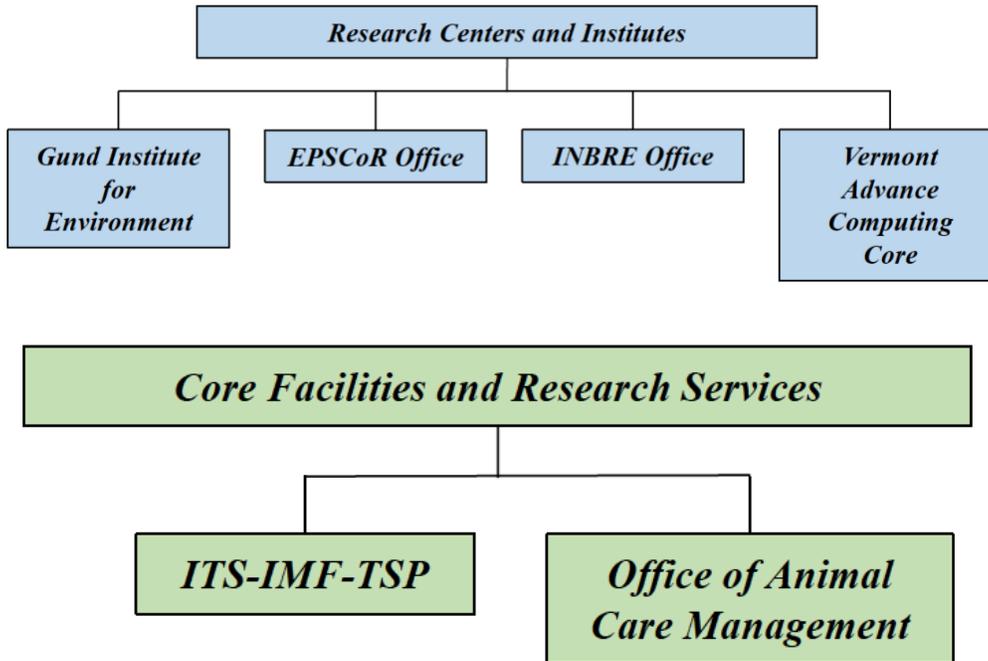
Research Administration and Integrity

- **Research Integrity**
 - FCOI federal compliance
 - Responsible conduct of research
 - ITAR, export control, and foreign influence monitoring
- **Research Protections Office**
 - Human subjects protection / IRB•IACUC and animal research
 - Biohazard and chemical hazard use
 - Controlled substances procedures
 - Stem cell and genetic research compliance
- **Sponsored Project Administration**
 - Grants administration
 - Pre-award processing
 - Post-award processing
 - Reporting, contract monitoring
 - Fiscal compliance, billing, and awards management
- **Electronic Research Systems**
 - Electronic records
 - CLICK maintenance, upgrading, and overall service
 - Systems integration with university costing system

Development and Engagement

- **Office of Research Development**
 - Federal granting agencies
 - Proposal development
 - Early career faculty programming
 - Large grant proposal management
 - Opportunity discovery
 - Internal competitions
 - Limited entry competitions
- **Office of Engagement**
 - Vermont business relationships
 - Internships and career path opportunities
 - Regional and local economic development
 - Vermont state relationships related to labor, business, commerce and development
- **CDE Broader Impacts Hub**
 - Professional Portfolio
 - Market Research
 - Learning Technologies
 - Outreach Strategies

- **Corporate and Foundation Relations**
 - Large-scale corporate engagement for research development and philanthropy
 - Foundation relationships related to research and infrastructure
 - Alumni liaison for business development and research partnership
- **UVM Innovations**
 - Tech-transfer, licensing and patent operations
 - Faculty business startups and commercialization opportunities
 - SBIR / STTR / iCorp / iTrep and related federal business translation programs

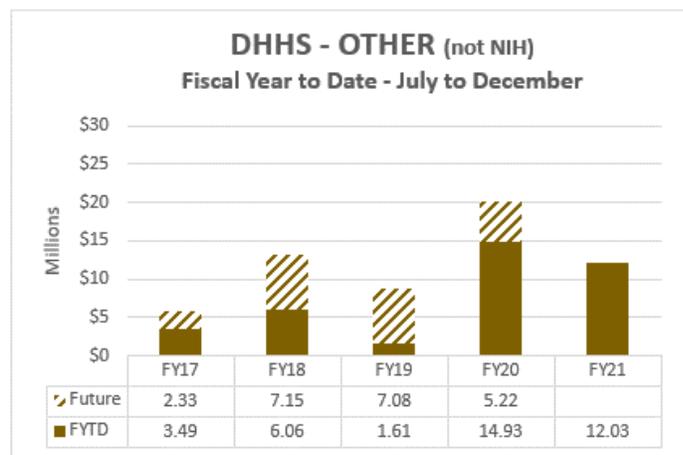
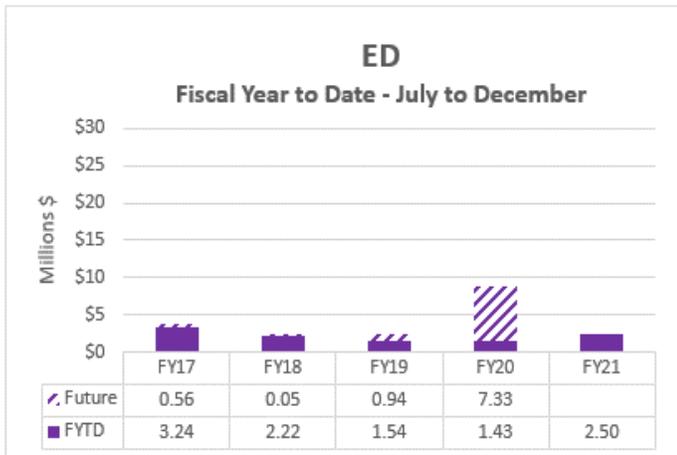
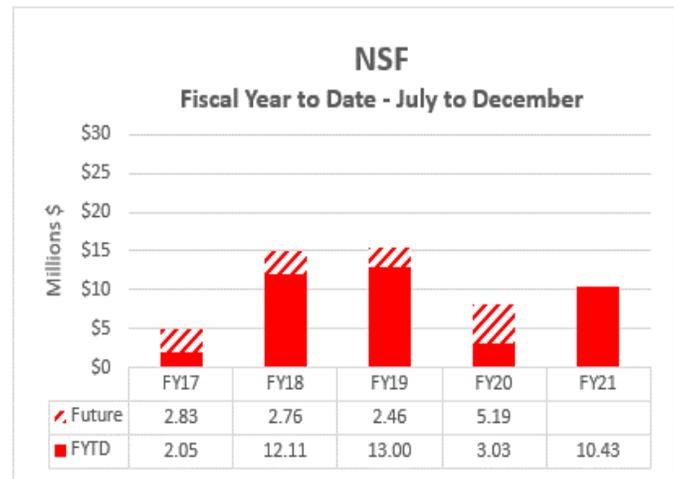
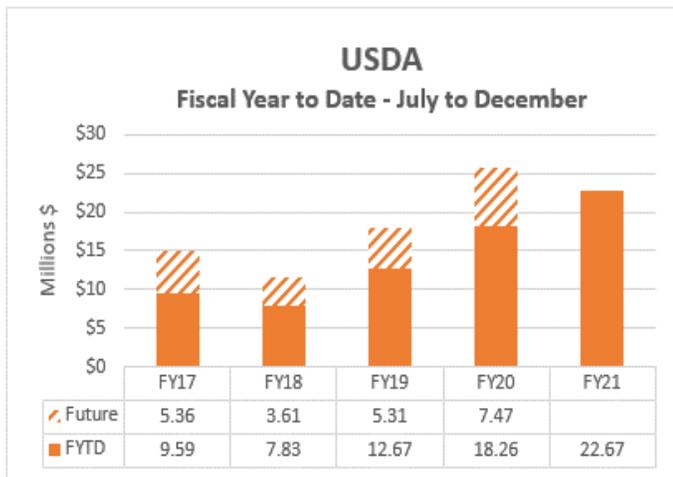
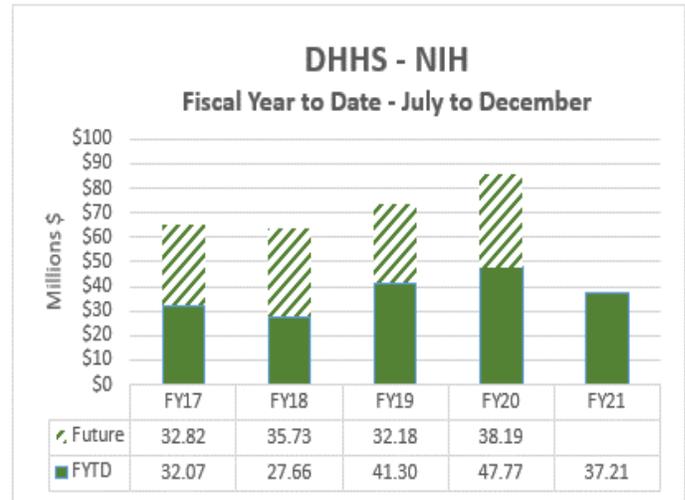
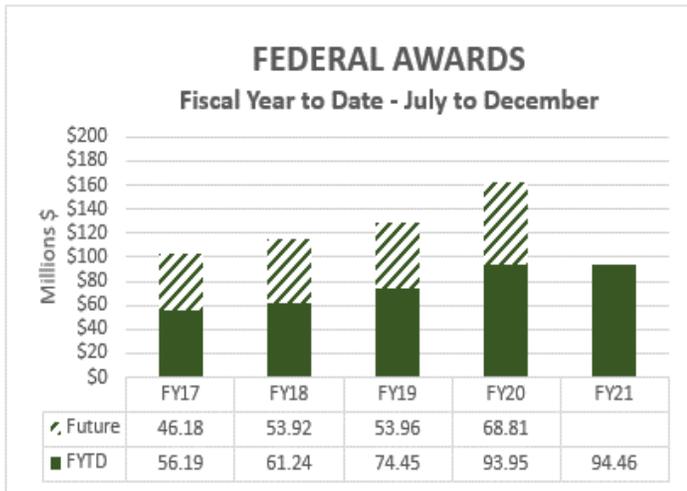


2020 HERD Reporting

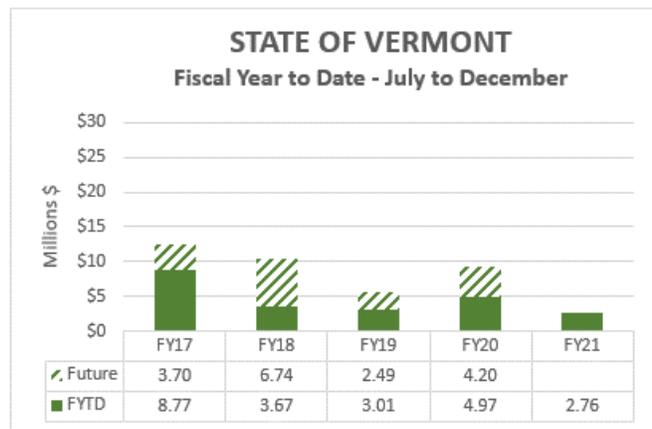
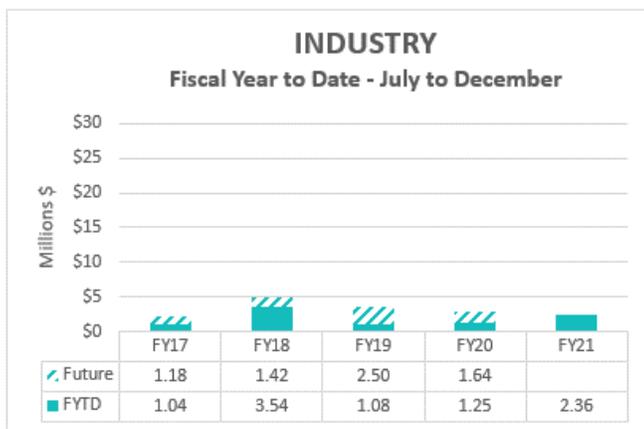
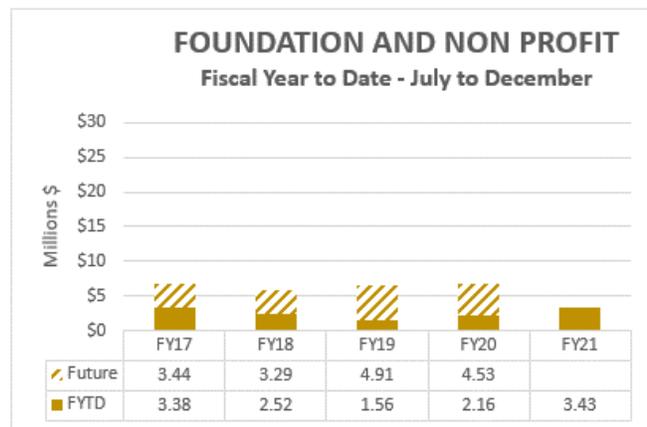
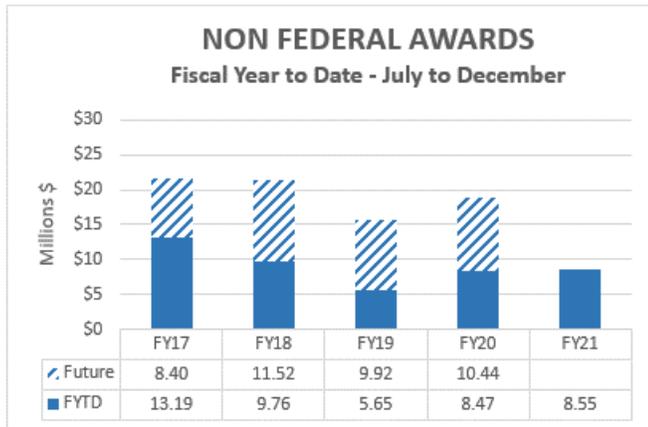
Q1. R&D Expenditures by source and type				
Source of Funds	R&D Expenditures (Dollars in Ks)			
	Fiscal Year			% Change 2019-20
	2020	2019	2018	
a. U.S. federal government	98,274	90,405	86,940	8.7%
b. State and local government	1,115	659	442	69.2%
c. Business	3,617	3,210	3,142	12.7%
d. Nonprofit organizations	8,565	8,841	7,957	-3.1%
e. Institutional funds				
1. Institutionally financed	45,409	10,864	6,391	318.0%
2. Cost sharing	9,673	8,945	8,479	8.1%
3. Unrecovered indirect costs	19,100	11,920	13,322	60.2%
4. Total institutional funds	74,182	31,729	28,192	133.8%
f. All other sources	5,910	1,015	1,620	482.3%
g. Total	191,663	135,859	128,293	41.1%

Note: Dept research expenses has \$34.5m in institutionally financed, \$5.1m of Gifts/Endowments in All other sources(1.f) and \$5.2m in unrecovered indirect costs; Tuition remission allocated to research increased from \$3.2m in FY19 to \$4.8m in FY20.

Federal Awards through Q2 FY21



Non-Federal Awards through Q2 FY21



SPA 2.0

- Hub-spoke model
- New hires in Pre- / Post Award
- Also incorporating existing grant admin staff
- Advantages
 - More uniform service delivery
 - Increased customer service
 - Right-sized to particular units and flexible in how it evolves
 - Paid for entirely out of F & A – no impact on disposition of tuition funds.

ResDev

- Now an independent office with 5 full-time grant support specialists
- Will expand to 8 full time support specialists in FY22
- New Programing
 - Commit to Submit
 - SPA.edu training
 - Hub-spoke specialization for each unit

Office of Engagement

- Looking for permanent budget from State (additional 1-time funds are in place through FY23)
- Internships focused and close collaboration with Vermont ACCD on community and workforce development
- Center grant application going in to Dept of Commerce/EDA

- Corporate relations redesign in collaboration with UVM Foundation

UVM Innovation

- Will move into Office of Engagement
- Tech transfer, licensing, and UVMIP operations will be more closely aligned with corporate relations, corporate contracting, and business startup efforts.
- Better management structure to boost partnerships

EBI-the Broader Impacts Hub

- A collaboration between CDE and OVPR to provide researchers with broad array of “impact” resources
- Close collaboration with NSF “NABI/ARIS” program from the University of Missouri
- First “trial” experiment is supporting the new EPSCoR Track 1 proposal
- Ultimate goal is “network” of broader impact resources to improve our grant competitiveness

Federal Relations Efforts

- New role for OVPR in developing appropriations priorities and working closely with Federal delegation
- Working with Lewis Burke Associates – a DC firm (paid for by a gift)
- Some early wins:
 - \$7M in USACE grants
 - Emerging \$25M collaboration with U Alabama
 - \$1M Mississippi State and \$3 M UVA ERDC collaboration
 - \$10M DOE rural energysed project

Emerging Opportunities / Initiative

- Some early wins:
- UVM Foundation Fund-raising Campaign around research
 - Led by VP Dombrowski and UVMF VP Kathy Howrigan
 - Summer 2021 rollout
 - Currently in the build-phase, soliciting input from the Deans
- VP for Research Fellow
 - Ernesto Mendez and the Agroecology and Food Systems Institute
- Israel university partnership program through UVM Hillel
- Joint Institute partnership with Tufts and AI and artificial life
- Mt. Mansfield Research and Stewardship Center will begin in 2021.

3. Update on the Academic Freedom Policy. The Faculty Senate Office will set up a meeting for the subcommittee. The subcommittee will work on revising the policy for presentation to the RSCA in April for a vote.

4. FOUR Update, Ann Kroll Learner and Vivien Enriquez.

- The committee welcomed Vivien Enriquez as the new Undergraduate Research Coordinator in FOUR.
- The Student Research Conference will be virtual and remote starting on April 15th. It will be similar to last year. It will happen over 4 days where people can post comments on student work. For more information visit the Student Research Conference link at <https://www.uvm.edu/four/uvm-student-research-conference>. Currently they have 177 students registered, they are hoping they will get a few more over the next few days. The numbers are down a little from previous years but that is expected due to the pandemic. They are hoping for around 200 presenters.

- SURF applications are due tomorrow. Faculty members are encouraged to reach out to FOUR to help review applications. They are hoping to award between 35 and 40 awards, as they have some different pots of money to draw from.
- Simon Award for Community-based Research, the deadline for student fellowship is April 1st. Faculty driven applications will be due April 9th. You can find the application at <https://www.uvm.edu/four/simon-family-public-research-fellowship>.

5. Old or New Business. The committee would like to continue discussion of the humanities at UVM at a future meeting.

6. Adjourn. The meeting adjourned at 2:00 pm.

*Sabbatical

The next meeting of the RSCA will take place on Thursday, April 8th at 12:30 on Microsoft Teams.