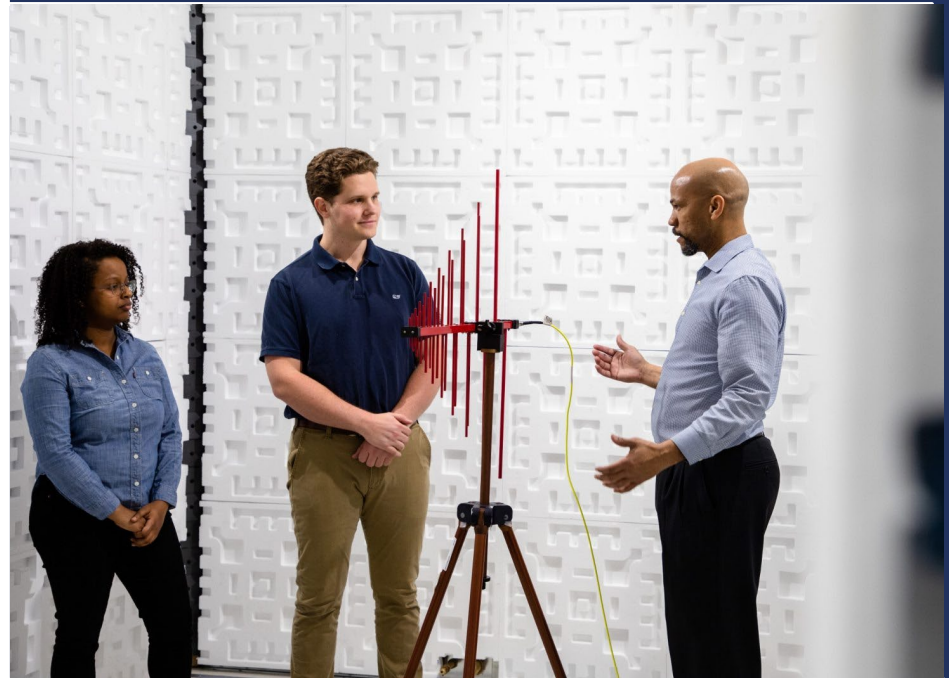




VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION

Virginia Growth and Opportunity Board

Business Meeting
March 11, 2025



Center for Energy Research and Education Industry Lab offers students the opportunities to observe and assist with research in fields of science and engineering. *(Photo courtesy of GO Virginia Region 2 Website)*



VIRGINIA DEPARTMENT OF HOUSING
AND COMMUNITY DEVELOPMENT
Partners for Better Communities



Agenda

- I. Opening
- II. Consent Agenda
- III. Presentations
- IV. Deputy Director's Report
- V. Program Performance and Evaluation Committee Report
- VI. Governance and Policy Committee Report
- VII. Regional Council Committee Report
- VIII. Legislative Update
- IX. Information Items
- X. Adjournment



VIRGINIA DEPARTMENT OF HOUSING
AND COMMUNITY DEVELOPMENT
Partners for Better Communities

COgro Labs at Virginia Tech Corporate Research Center *(Source: GO Virginia Region 2 Annual Report)*



I. Opening

- a. Call to Order
- b. Introduction of New Members
- c. Roll Call
- d. Public Comment



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II. Consent Agenda – *Action Items*

- a. December 10, 2024 Meeting Minutes
- b. Board Policy #10: Helene Business Recovery Initiative (HBRI)
- c. Withdrawal: Lee County, Western Lee Sewer Project Phase 1-A

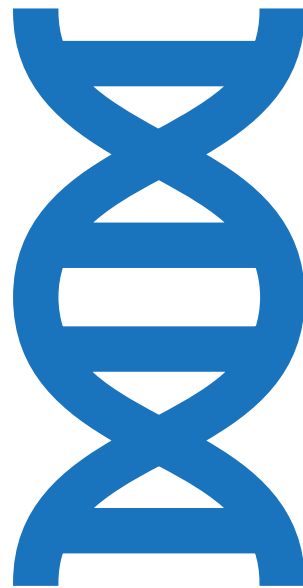


III. Presentations

- Catalyzing Biotechnology in GO Virginia Region 2
- GO TEC Evaluation Tool Update



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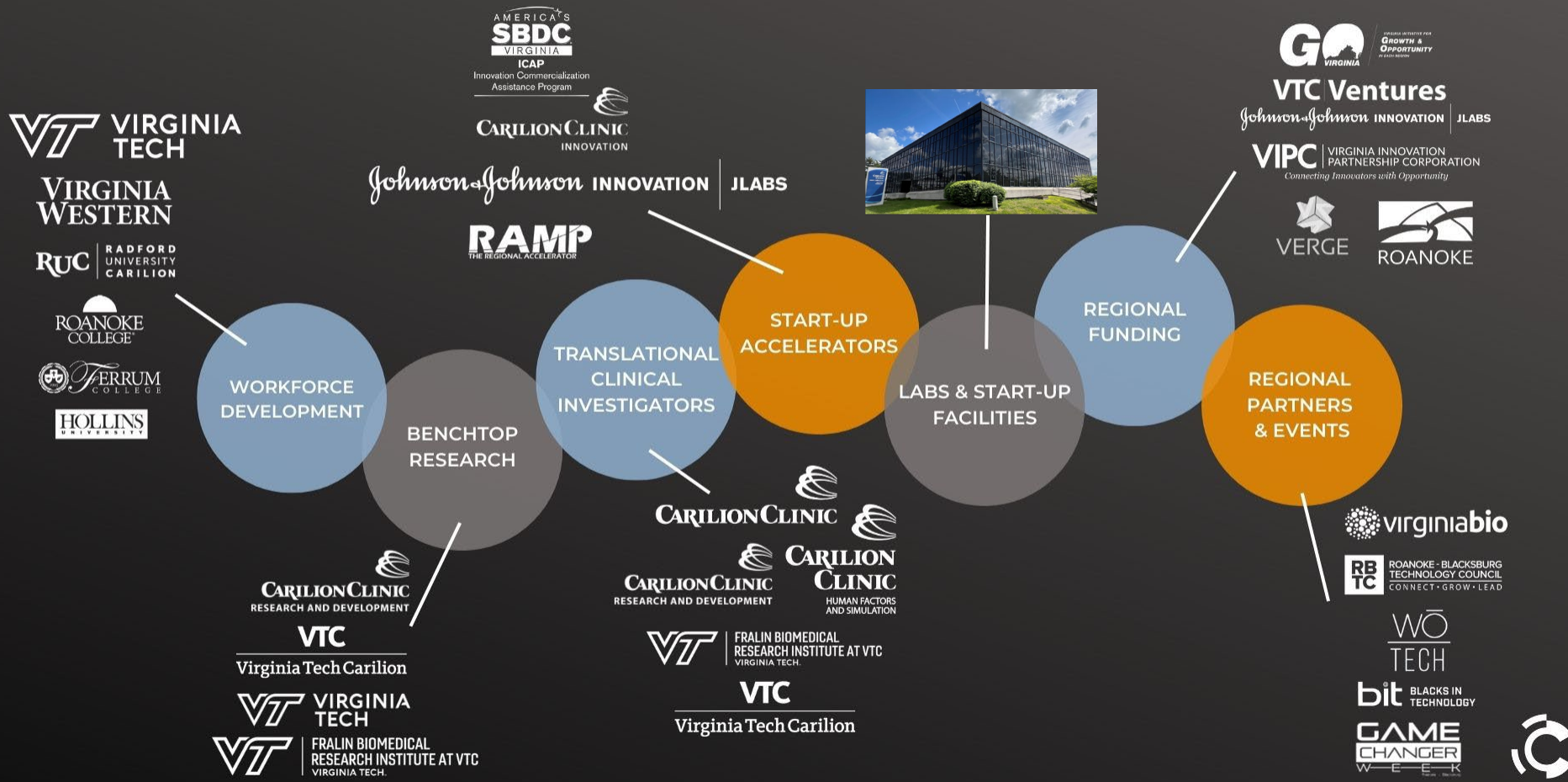
MULTIPLE ORGANIZATIONAL

SIX **GO Virginia** grants (2019-2025)

- Regional Entrepreneurial Initiative (REI)
- Eagle: Biotech Lab Capacity Study
- Eagle Plus : Build out COgro LABS and design for Roanoke
- Strengthening Entrepreneurial Impact
- GMP Clean Rooms
- Project VITAL



ROANOKE'S LIFE SCIENCE ECOSYSTEM SUPPORTS BENCH-TO-BEDSIDE TRANSLATIONAL INNOVATION



ROANOKE INNOVATION CORRIDOR



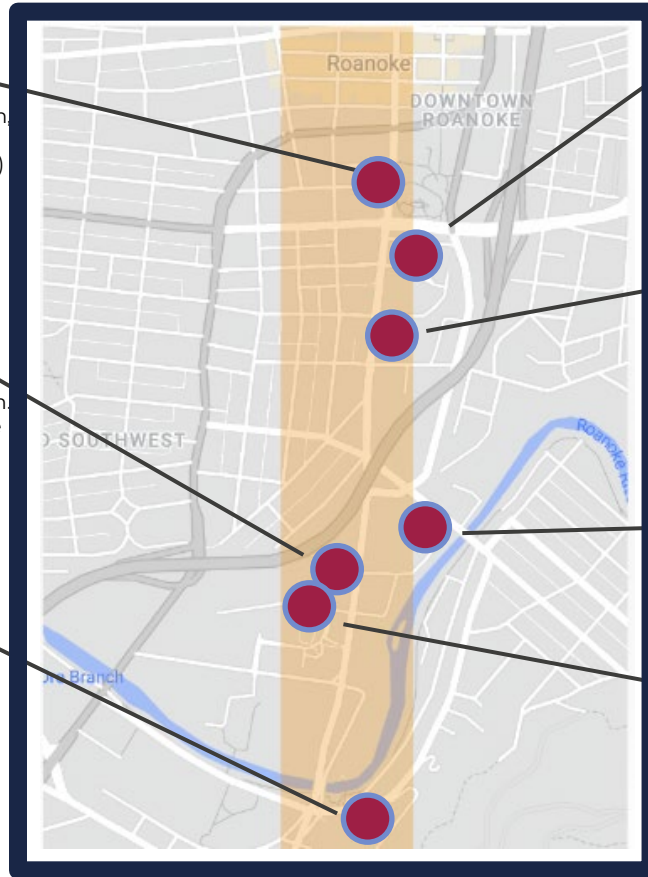
- Facilitating regional connection, communication and collaboration.
- Roanoke-Blacksburg Technology Council (RBTC)
- Regional Accelerator and Mentoring Program (RAMP)



- Highly sought-after research-focused curriculum
- 4th most selective among medical schools in the United States, based on acceptance rate (0.76%, 2022).



- Over 1,000 physicians serving 1 million people.
- 120+ clinical trials across 16 disciplines (2022)
- \$550M in recent investments.



- Located in downtown Roanoke in a clinical setting.
- Undergraduate and graduate degrees in the health sciences.
- Faculty of practicing clinicians.



- Roanoke Biotech Project Incubator – Open 2025.
- Partnering with JLABS on virtual residency for regional member companies.



- Carilion Clinic Innovation, for in-house discoveries with commercial potential.
- Expertise in used-centered design and testing.



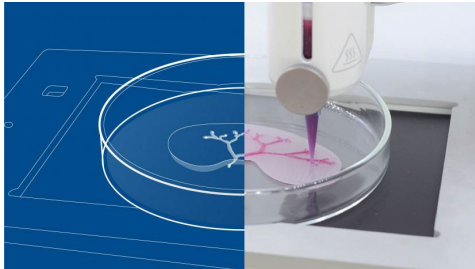
- Focus areas include human neuroscience, cardiovascular science, cancer, addiction, among others.
- Specialized training and research on translational medicine.
- Engine for biotech and life science start-ups.

INNOVATION IN BLACKSBURG

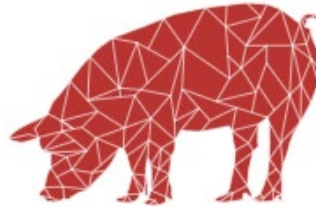
INTUITIVE
SURGICAL®



CELLINK 
A BICO COMPANY



 **Revivacor**



COgro
LABS



20+

Biotech and Life Science companies at the CRC in Blacksburg

120,000

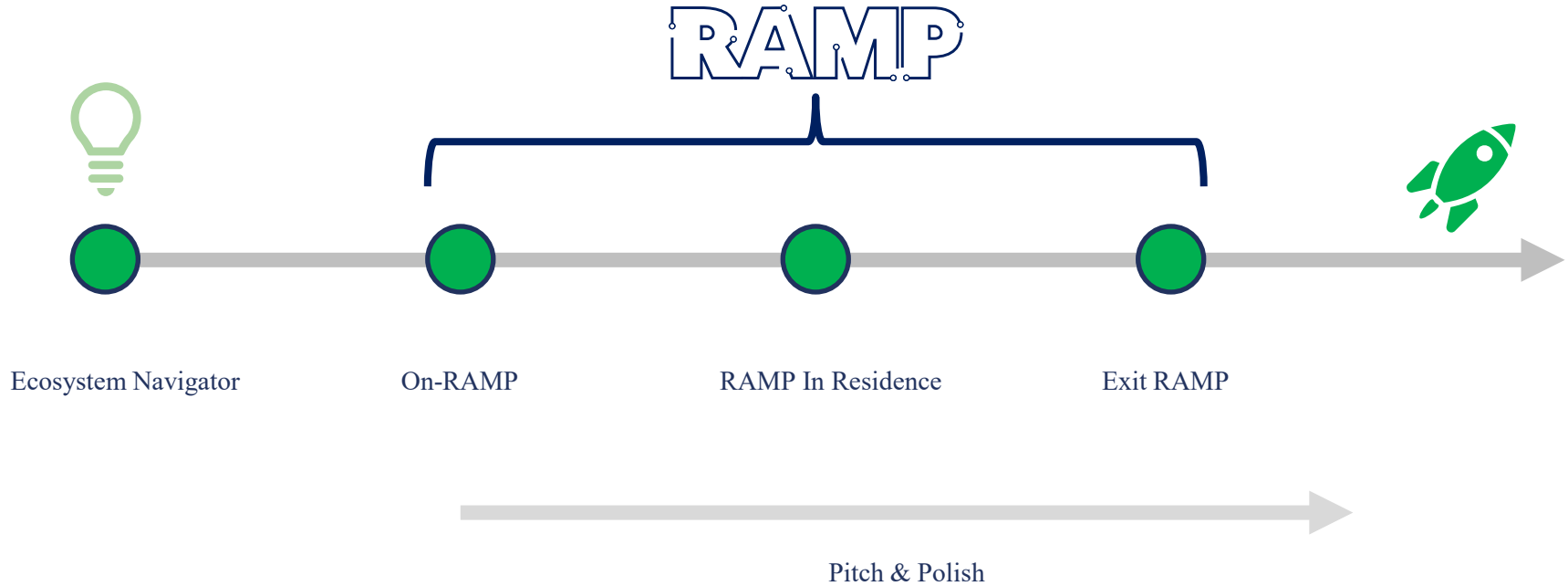
Square feet (lab & office space)

250

People employed in biotech companies

RAMP Venture Roadmap

We aspire to serve as a **venture engine** for the region, **providing programs from ideation through valuation.**



STARTUP ACTIVITY IN THE REGION

 <p>FRALIN BIOMEDICAL RESEARCH INSTITUTE AT VTC VIRGINIA TECH.</p>	 <p>CARILION CLINIC INNOVATION</p>	 <p>INNOVATION LABS</p>	 <p>Regional Accelerator and Mentoring Program</p>
 <p>Acomhal Research</p>  <p>The Tiny Cargo Company</p>  <p>BEAM Diagnostics, Inc.</p>  <p>CAIRINA</p>	 <p>LYMPHA VIBE</p>  <p>Recens Respiratio</p> <p>ALLIS INNOVATIONS</p>	 <p>Acomhal Research</p>  <p>Sentoros Harnessing the power of platelets</p>  <p>The Tiny Cargo Company</p>  <p>luminary therapeutics</p>  <p>bacchus Therapeutics</p>  <p>QurCan THERAPEUTICS</p>	 <p>Acomhal Research</p>  <p>LYMPHA VIBE</p>  <p>LeoneBioVentures</p>  <p>Sentoros Harnessing the power of platelets</p>  <p>Recens Respiratio</p>  <p>Skyphos Technologies SKYPHOS</p>  <p>PERFORMANCE MEDICAL TECHNOLOGIES</p>  <p>chorda PHARMA</p>  <p>CytoRecovery®</p>  <p>GOOD FOODS GROUP Backed by Science</p>  <p>bacchus Therapeutics</p>  <p>KENCASHI</p>  <p>Oak Bioinformatics</p>  <p>ALLIS INNOVATIONS</p>  <p>CAIRINA</p>  <p>BEAM Diagnostics, Inc.</p>

LEVERAGE FOR ADDITIONAL FUNDING

\$15.7 M 2022 Virginia General Assembly

\$4 M 2024 Virginia General Assembly

\$1.5M Federal EDA

\$1.95 M from City of Roanoke

\$1M & Building by Carilion Clinic

- GA funding to support upfitting 40,000 sf building with private labs, shared labs and equipment, offices, and innovation studio space.

Over \$30M in additional investment



GO TEC[®] Evaluation: Status Update

GO Virginia Board

March 2025



For more information,
contact Dr. Kara
Fitzgibbon

Email: ksf5fe@virginia.edu

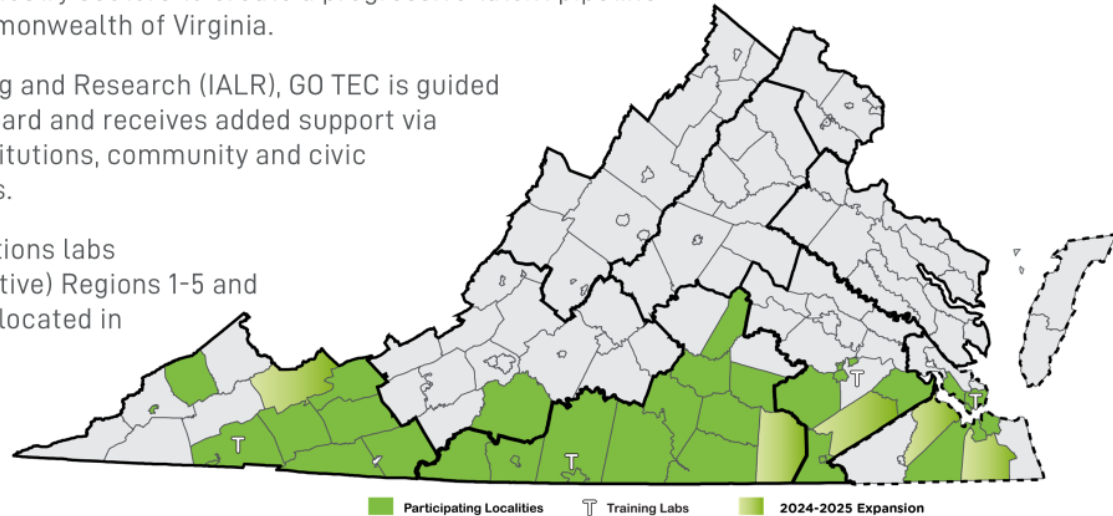


Weldon Cooper Center
for Public Service

What is GO TEC®?

Great Opportunities in Technology and Engineering Careers

- ❶ The Great Opportunities in Technology and Engineering Careers (GO TEC®) works to develop regional workforce by engaging students at the middle school level and connecting them with high school and postsecondary learning opportunities.
- ❷ GO TEC curriculum exposes students to specific industry sectors to create a progressive talent pipeline that will stimulate job growth throughout the Commonwealth of Virginia.
- ❸ Administered by the Institute for Advanced Learning and Research (IALR), GO TEC is guided by GO TEC staff, instructors and a state advisory board and receives added support via partnerships with local industries, educational institutions, community and civic organizations and region-specific advisory councils.
- ❹ Currently, there are over 50 GO TEC Career Connections labs in middle schools across GO Virginia (a DHCD initiative) Regions 1-5 and four centralized GO TEC Teacher Training Labs are located in Region 1, Region 3, Region 4 and Region 5.



52+

middle schools

by Fall 2024

Supporting local job growth and talent development across Virginia through collaborative regional partnerships.

\$22M+

funding

Leverages \$10 million from Go Virginia with over \$12 million from localities, federal agencies and philanthropy.

8,000+

students

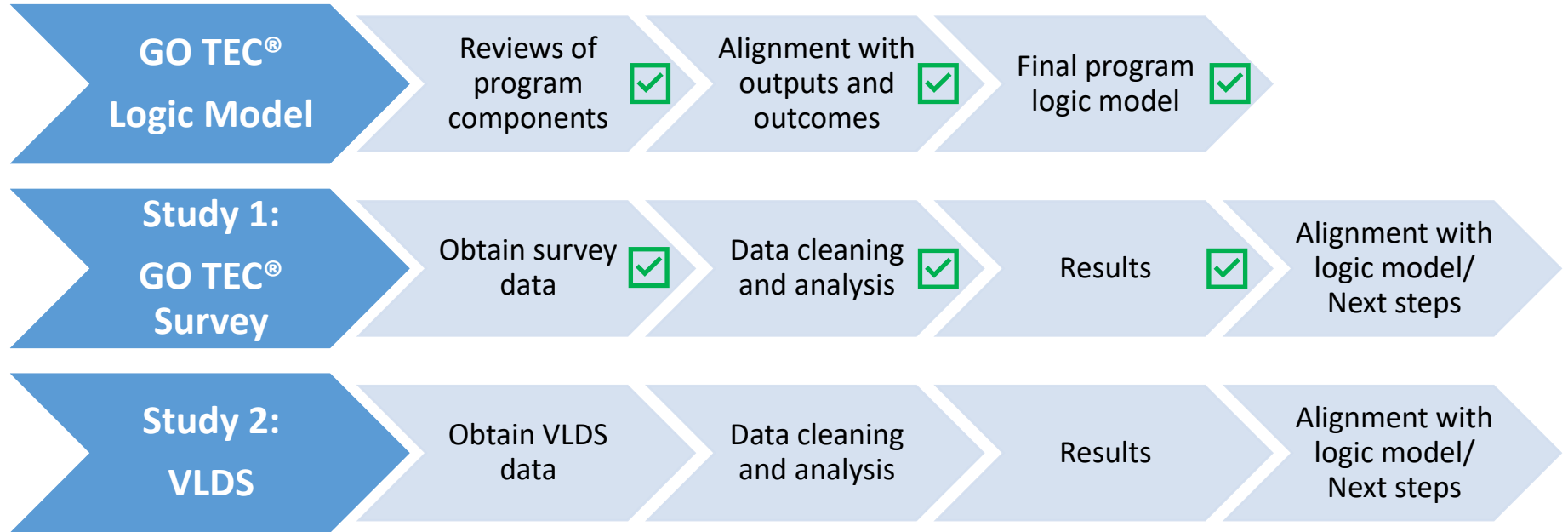
in SY 2024-2025

Engaged in GO TEC Career Connections Labs.

A Competitive Advantage for the Commonwealth

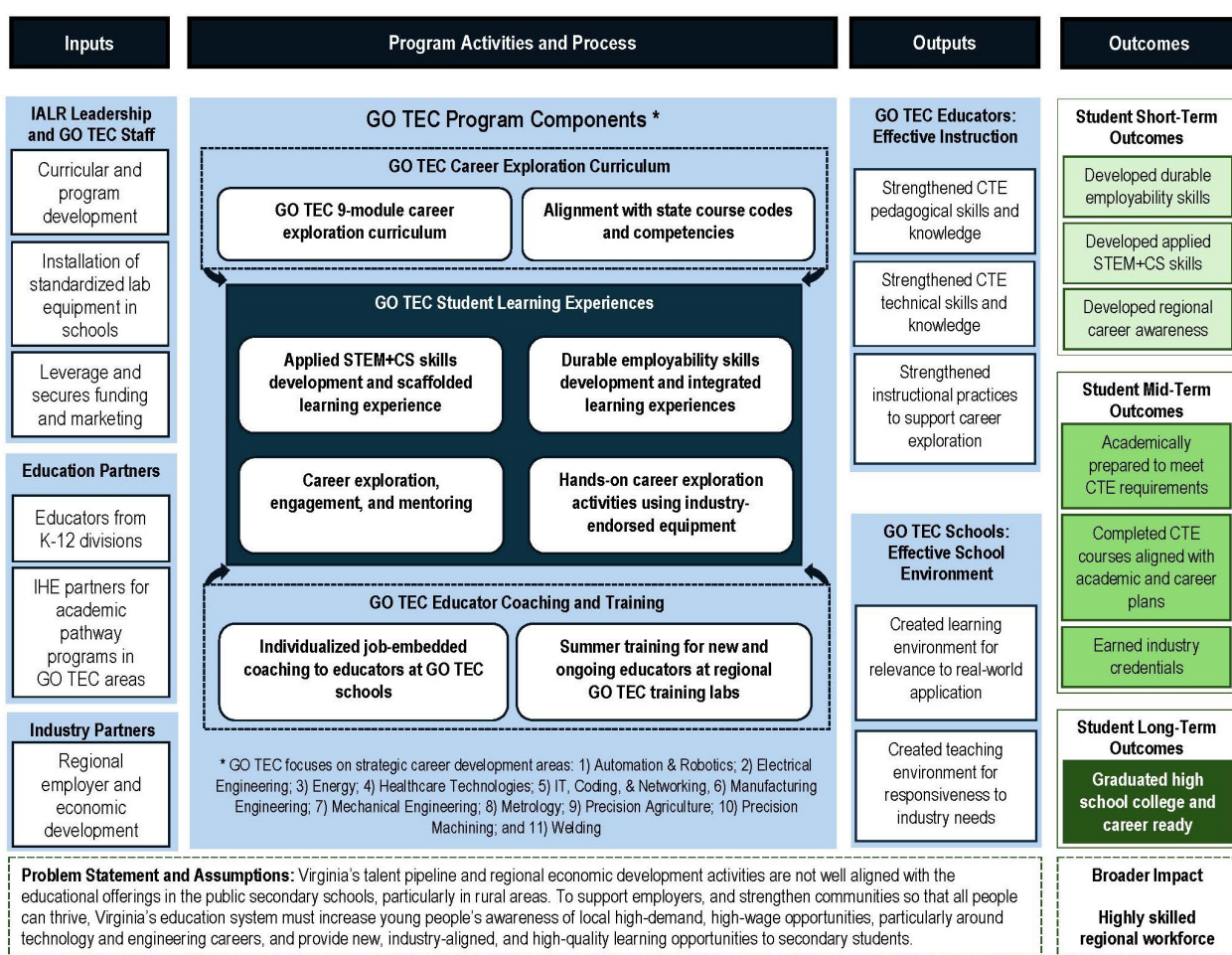
- 🔌 Demonstrates Virginia's long-term commitment to **TALENT DEVELOPMENT** in strategic sectors
- 🔌 Drives regional collaboration in support of **JOB GROWTH**
- 🔌 Leverages **PUBLIC** and **PRIVATE INVESTMENTS**
- 🔌 Engages **BUSINESS** and **INDUSTRY** in creating relevant curriculum for K12 students, leading to **SKILL ATTAINMENT**
- 🔌 Creates **TECHNOLOGY INTEGRATION** infrastructure with rapid deployment potential

GO TEC® Evaluation Overview



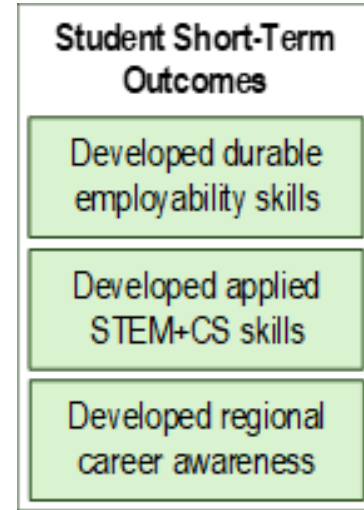
Logic model

- The GO TEC® model encompasses:
 - Inputs
 - Program activities
 - Domain 1. Curriculum
 - Domain 2. Student experiences
 - Domain 3. Educator training
 - Outputs
 - Output 1: Educators
 - Output 2: School



Study 1: GO TEC[®] Middle School Survey

- **Purpose:** To assess and align the current GO TEC[®] survey to the program logic model, review and assess prior analyses, and assess how data from the GO TEC[®] middle school survey can be used to answer research question 1.
- **Evaluation question:** What short-term outcomes did students achieve after participating in GO TEC[®]?



Study 1: GO TEC® Middle School Survey Updates

- **Findings from 2021-2022 middle school survey data:**
 - Consistent, significant increase in students' career awareness following each GO TEC® module
 - Inconclusive effects of GO TEC® on students' skill development, knowledge, and interest
- **Updates to the GO TEC® middle school survey for 2025-2026:**
 - Modify survey administration to improve response rates and data quality
 - Reduce number of survey administrations from 20 to 2
 - Collect data through online survey platform
 - Capture unique numeric student ID as part of data collection
 - Revise survey questionnaires to minimize measurement error and more clearly operationalize short-term outcomes

Study 2: VLDS Data

- **Purpose:** To assess how data from the VLDS can be used to answer research question 2 (mid-term outcomes) and research question 3 (long-term outcomes) aligned with the project logic model.
- **Evaluation question:** What mid-term and long-term outcomes did students achieve after participating in GO TEC®?

Student Mid-Term Outcomes

Academically prepared to meet CTE requirements

Completed CTE courses aligned with academic and career plans

Earned industry credentials

Student Long-Term Outcomes

Graduated high school college and career ready

Study 2: VLDS Data Updates

- **Working to obtain VLDS data with:**
 - **March – August 2024 (Submitted application):** The evaluation team met with VLDS staff to discuss evaluation plan and data needs; obtained application form from VLDS in August 2024; and immediately submitted application.
 - **August - December 2024 (Application approval):** The evaluation team received an email notice from VLDS that the application was approved, and all required documents were received.
 - **January – February 2025 (Resubmitted application):** The evaluation team received an email notice from VLDS to modify the application and immediately resubmitted the data request.
- **Working to obtain publicly available VDOE data with:**
 - **February 2025:** The evaluation team will obtain school-level publicly available data from the VDOE website to pursue other options for analysis of GO TEC®.



IV. Deputy Director's Report



VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION

- a. **Action Item:**
 - I. Per Capita Applications (4)
 - II. Competitive Application (1)
- b. GO Virginia Sites & Infrastructure Application Addendum

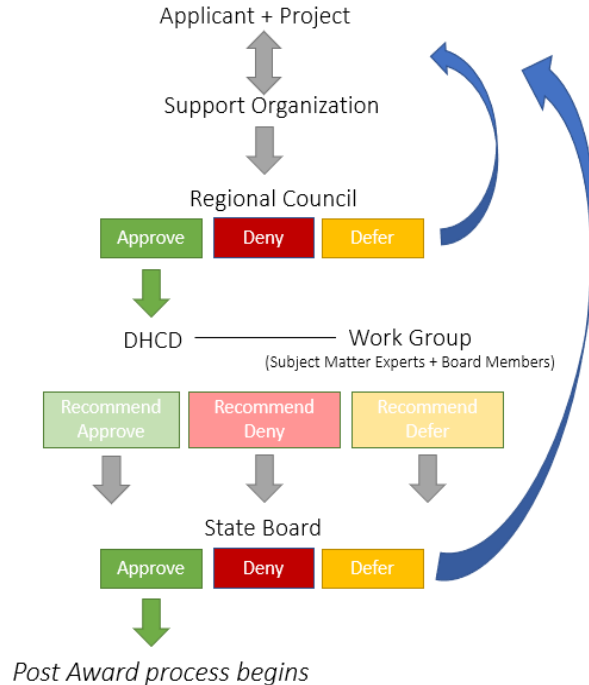


Application Process



VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION

GO Virginia Application Review



- Applications are submitted to Regional Councils
- Approved applications are advanced to DHCD
- Technical review by DHCD staff
- Workgroup review and project pitch calls
- Staff prepares recommendations for Board
- Presented for Board consideration
 - *Approve*
 - *Defer*
 - *Not Approve*
- Approved projects go to contract



Evaluation Criteria

- **Regional Collaboration**
 - Meaningful participation of 2 or more localities
 - Collaboration with industry and other partners
- **Economic Impact**
 - Target Industry Focus
 - Leveraged Nonstate Resources and/or Cost Savings
 - Well Defined Outcomes and Products
- **Project Readiness**
 - Partner Commitments, Match Resources, and Milestones
- **Sustainability**



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IN EACH REGION

Per Capita Applications

- 4 Proposals to Take Action On
- 3 out of 9 Regions Participated
- **Industry cluster targets:** Agriculture; Food & Beverage
Manufacturing; Life Sciences/Biotechnology; Information and
Emerging Technologies; Advanced Manufacturing; Energy;
Transportation and Logistics
- **Investment Strategies:** 2 Workforce Development Projects, 1 Site
Development and Infrastructure Projects, 1 Cluster Scaleup, and
1 Startup Ecosystem Project



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IN EACH REGION

**GO Virginia
Request:**
\$2,675,021

Total Match:
\$1,472,656

Local Match:
\$686,767



Region 9: Wine Industry Implementation

Participating Localities: *Nelson County (cash and in-kind), Fauquier County (cash and in-kind), City of Charlottesville (advisory), Culpeper County (advisory), Fluvanna County (in-kind), Albemarle County (advisory), Orange County (advisory), Orange County (advisory), Madison County (cash and in-kind), Greene County (in-kind), Louisa County (in-kind), Rappahannock County (advisory), Town of Culpeper (in-kind)*

Applicant: *Nelson County*

Targeted Industry Cluster(s): Food & Beverage Manufacturing

Investment Strategy: Cluster Scaleup

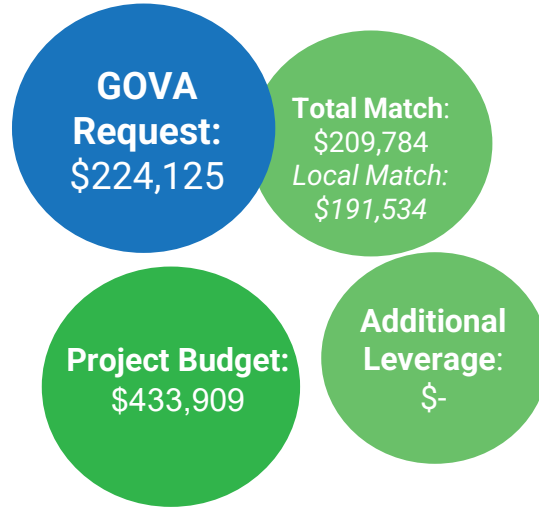
Goal: To develop an industry-led coalition that will provide a suite of services geared toward promoting the scale-up of exports of Region 9's wine industry.

Outcomes:

- 20 jobs created
- 25 businesses expanded
- 104 businesses served



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IN EACH REGION



Staff Recommendation:
Approve

Region 9: Rivanna Futures

Participating Localities: Albemarle County (cash), Greene County (in-kind), City of Charlottesville (in-kind)

Applicant: Albemarle County

Targeted Industry Cluster(s): Biotechnology; IT and Cybersecurity; Manufacturing

Investment Strategy: Site Development and Infrastructure

Goal: To increase the inventory of regionally significant shovel-ready sites in GO Virginia Region 9 and develop a regional industrial park.

Outcomes:

- 50 acres impacted



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IN EACH REGION

**GOVA
Request:
\$613,570**

**Total Match:
\$324,000
Local Match:
\$316,000**

**Project Budget:
\$945,570**

**Additional
Leverage:
\$8,000**

Staff Recommendation:
Approve contingent on the project team pursuing VDOT's Economic Development Access grant program.

Region 1: Electrical Technology Modernization Initiative

Participating Localities: Smyth County (cash and advisory), Washington County (advisory), City of Bristol (advisory)

Applicant: Virginia Highlands Community College

Targeted Industry Cluster(s): Advanced Manufacturing, Agriculture/Food & Beverage Manufacturing; Energy and Minerals; Logistics/Transportation/Warehousing

Investment Strategy: Workforce Development

Goal: To increase the pool of qualified workers supporting the advanced manufacturing, agriculture/food & beverage manufacturing, information technology, and logistics, transportation, and warehousing industry sectors.

Outcomes:

- 34 students trained
- 50 credentials awarded



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OPPORTUNITY**
IN EACH REGION

**GOVA
Request:
\$312,326**

**Total Match:
\$156,163
Local Match:
\$31,233**

**Project Budget:
\$528,489**

**Additional
Leverage:
\$60,000**

**Staff
Recommendation: Approve**

Region 5: Economic Access Initiative



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Participating Localities: *City of Chesapeake (advisory committee), City of Norfolk (advisory committee), City of Portsmouth (advisory committee), City of Virginia Beach (advisory committee)*

Applicant: *Neighborhood*

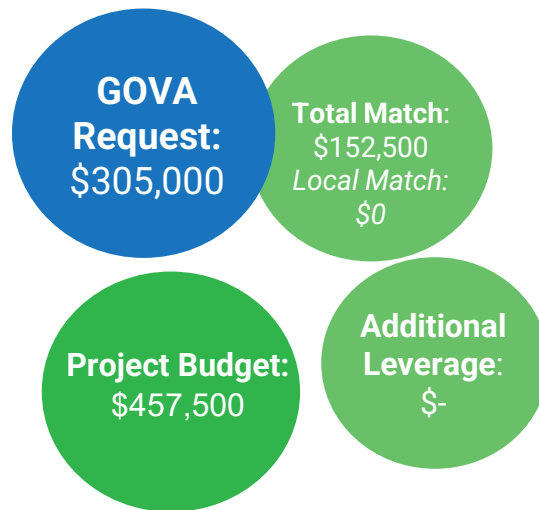
Targeted Industry Cluster(s): Shipbuilding and Repair; Logistics, Port Operations, and Warehousing

Investment Strategy: Workforce Development

Goal: To grow and expand the pool of qualified workers in the Shipbuilding and Repair and Logistics, Port Operations, and Warehousing industries by facilitating career pathway placement, with a particular focus on individuals in low-income communities

Outcomes:

- 51 individuals trained
- 25 businesses served
- 51 credentials awarded
- 51 job placements



Staff Recommendation:
Approve

Competitive Fund

- 1 Proposal to Take Action On



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IN EACH REGION



Regions 4 (lead), 5, 6, and 7: Minority Small Business Launch Center Expansion



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IN EACH REGION

Participating Localities: Henrico County (cash), Chesterfield County (cash), City of Richmond (in-kind), Prince George County (in-kind), Charles City County (in-kind), City of Alexandria (in-kind), Fairfax County (in-kind), Arlington County (in-kind), Stafford County (in-kind), City of Fredericksburg (in-kind), City of Portsmouth (in-kind), City of Norfolk (in-kind)

Applicant: Virginia Commonwealth University (VCU)

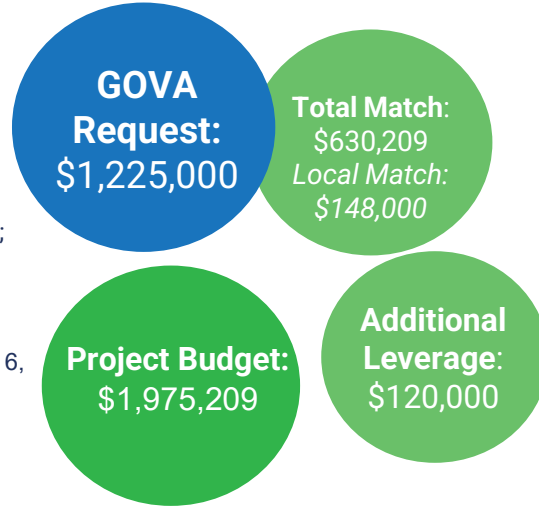
Targeted Industry Cluster(s): Manufacturing and Advanced Manufacturing; Information and Emerging Technologies; Health/Bioscience/Life Science

Investment Strategy: Startup Ecosystem

Goal: To grow and expand entrepreneurship activity among under-resourced populations in GO Virginia Region 4, 5, 6, and 7 in the Manufacturing and Advanced Manufacturing, Information and Emerging Technologies, and Health/Bioscience/Life Science industry sectors.

Outcomes:

- 230 jobs created
- 165 existing businesses expanded
- 195 new businesses created
- 500 businesses served



Staff Recommendation: Defer



b. GO Virginia Sites & Infrastructure Application Addendum



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OPPORTUNITY**
IN EACH REGION



VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION

V. Program Performance and Evaluation Committee Report

a. Project VITAL update



VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION

VI. Governance and Policy Committee Report

a. Board Bylaws Revisions



VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION

VII. Regional Council Committee Report



VIRGINIA INITIATIVE FOR
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IN EACH REGION

VIII. Legislative Update



VIRGINIA INITIATIVE FOR
**GROWTH &
OPPORTUNITY**
IN EACH REGION

IX. Information Items

- *DHCD Administratively Approved Projects*
 - *Regions 2 & 3 – Artificial Intelligence Statewide Landscape Assessment*
 - *Region 3 – Co-locating Data Centers and CEA Greenhouses Feasibility Project*
 - *Region 5 – Advancing Commercialization and Innovation Opportunities for Jefferson Lab*
 - *Region 6 –Cyber Titans VIP*
 - *Region 6 – RIVERE Impact Analysis*
 - *Region 9 – Food and Beverage Business Accelerator*



X. Adjournment



VIRGINIA INITIATIVE FOR
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IN EACH REGION

Future Meeting Schedule

- June 10th Board Meeting (Virtual)
- September 9th Board Meeting (In-Person)
- December 9th Board Meeting (Virtual)