May 26, 2016

National Western Center



Draft

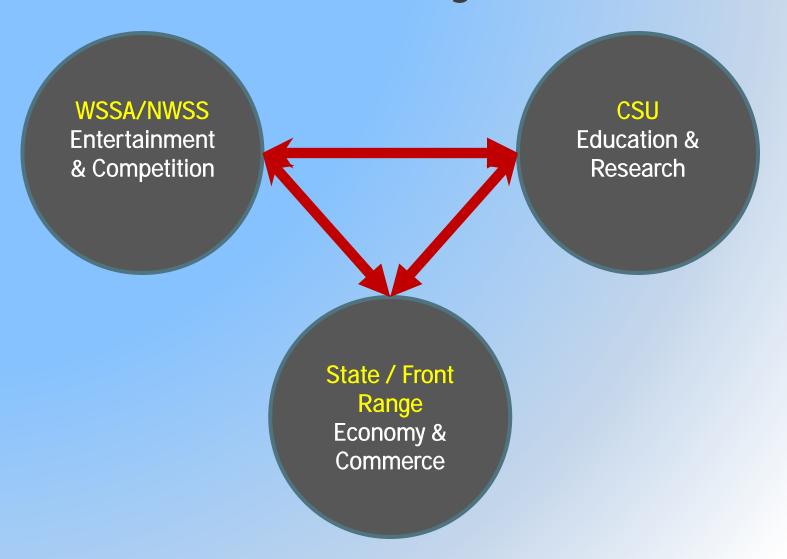


Initial Vision

Local Impact – Global Reach



Initial Vision: Project Anchors



Initial Vision: Key Questions

Opportunity for Success (Strategy)

- 4 What sectors? What is the competition?
- 4 What makes us unique? Which resources and strengths matter?

How to bring it together (Order)

- 4 What comes first and how much?
- 4 What is our story? (Who can/needs to do it?

What do we need (Resources)

- 4 Marketing and recruitment
- 4 Tools and Financing for moving, growing and starting
- 4 Space, type and location



Framework: Economics

- 4 Leverage NWC agriculture-related innovation to drive job growth and economic opportunity
- 4 Leverage infrastructure reinvestment to facilitate infill redevelopment
- 4 Develop new revenue streams to address project capital and operating needs

Framework: Vision

- 4 NWC: Focal Point for Colorado Agriculture
- 4 Animal Health: CSU "One Health" Strategy
- 4 Water
- 4 Food Safety & Security
- 4 Food Nutrition, Quantity, Quality, Affordability
- 4 Technology & Innovation
- 4 Silicon Valley of Agriculture
- 4 Freight and logistics

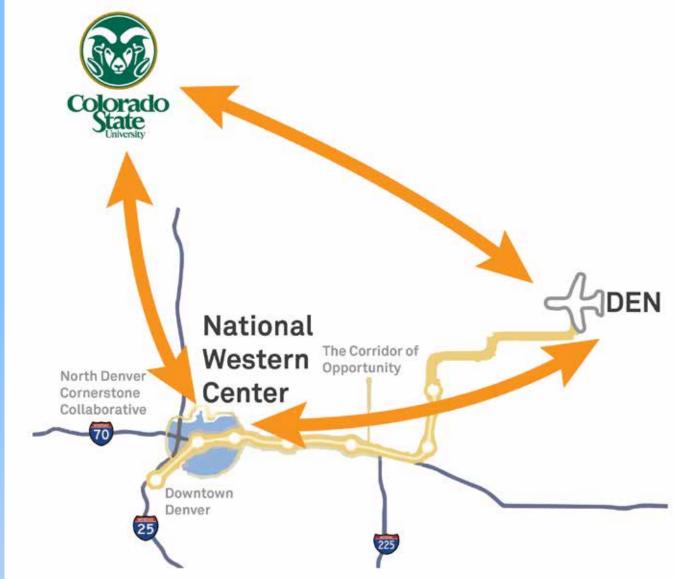
Global Opportunities

- 4 Growth of "Global Middle Class"
- 4 Global debate: food affordability/availability
- 4 Lower commodity prices = lower input costs
- 4 Shifting US consumer tastes

Local Opportunities

- 4 The Front Range-a Top 20 growth market
- 4 Growth in agriculture-linked venture capital
- 4 CSU / Denver "Water Innovation Center" partnership initiative
- 4 Leverage the Agriculture Innovation Triangle

The Agriculture Innovation Triangle





Positive Outlook Ag-related Sectors:

- 4 Water: Infrastructure, Testing, Management
- 4 Animal Health, Nutrition, Herd Management
- 4 Food Protein (USA positive but slowing; global positive and growing)
- 4 Agriculture Information Systems
- 4 Sensors, Testing, Analytics, Quality & Bio-Safety

Global Constraints

- 4 Global commodities are in a down cycle
- 4 Strong US Dollar limits near-term exports
- **Local Constraints**
- 4 Weather and water
- 4 Local real estate markets

- Agriculture Sectors Strong in Colorado
- 4 Cattle ranching
- 4 Animal production
- 4 Beverage manufacturing
- **US Federal Policy Factors**
- 4 Federal passage of the Food Safety Modernization Act (FSMA)
- 4 Broader global debate about GMOs

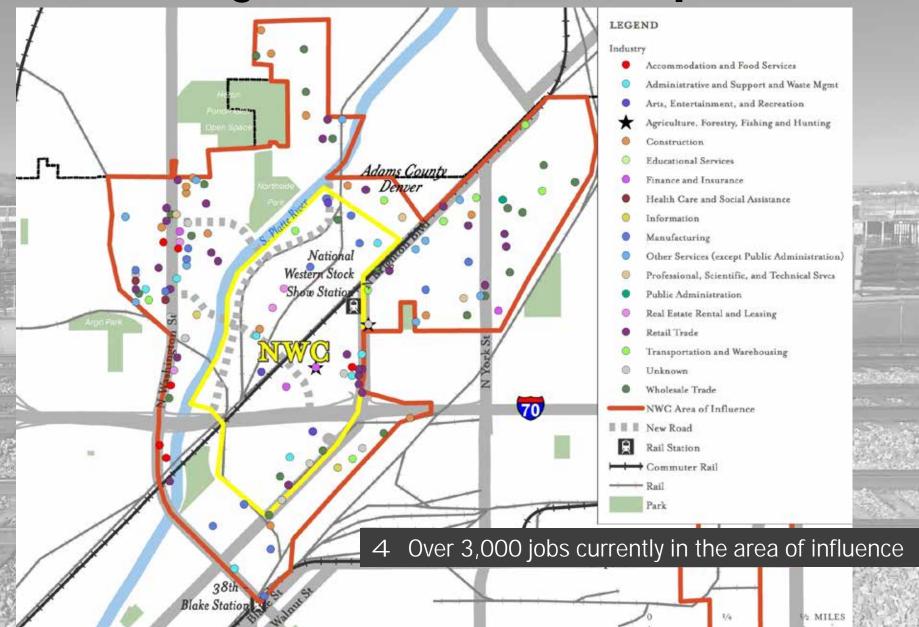


Critical Ingredient: Innovation

- 4 Convergence: Agriculture, plant and life sciences, information technology, software, energy, aerospace, advanced manufacturing and bioinformatics
- 4 Innovation drives need for "accidental collisions" between people in knowledge-based & technology-driven sectors
- 4 Companies must be in these locations to compete for Talent

Critical Ingredient: Area of Influence LEGEND NWC Area of Influence New Road Rail Station Commuter Rail 40th -Colorado 4 Proximity Matters E 40th Ave Blake Station 1/2 MILES ty and County of Denver Assessor

Critical Ingredient: Local Companies



NWC Cluster Opportunities



Clusters of Opportunity

Our Approach

- 4 Start with traditional industry sectors and companies in those sectors
 - 4 Agriculture / Ag-related
- 4 Identify and leverage interconnections between companies; pivot from "Sectors" to "Clusters"
- 4 Pivot from companies to jobs
- 4 Connect jobs with real estate (office, lab, production)

NWC Cluster Opportunities



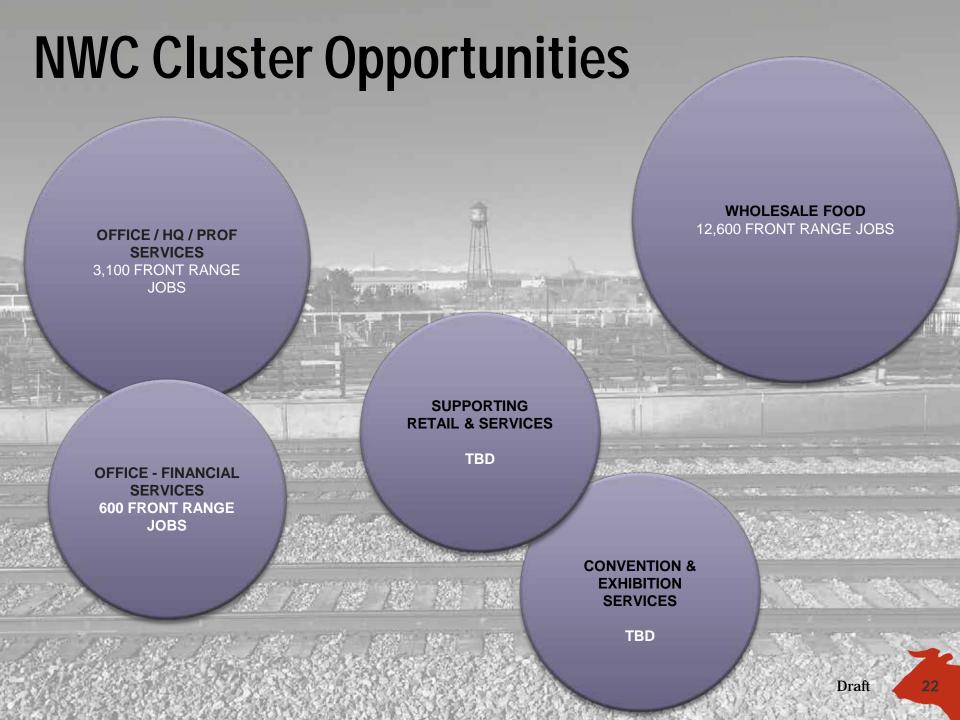
NWC Cluster Opportunities

MFG - CATTLE & DAIRY
9,500 FRONT RANGE
JOBS

ANIMAL HEALTH / RESEARCH & LAB OFFICE / LAB20,400 FRONT RANGE JOBS

SOFTWARE & BIOINFORMATICS 500 FRONT RANGE JOBS

MFG - SENSORS INSTRUMENTS 1,600 FRONT RANGE JOBS AEROSPACE UAV MAPPING 3,200 FRONT RANGE JOBS



Next Steps



Next Steps

- 4 Refine clusters, link with companies,
- 4 Identify growth opportunities
- 4 Summarize comments
- 4 Complete final report
- 4 Understand public and private partnerships
- 4 Inputs flow into NextGen efforts

