EMBRACE AN ETHIC OF REGENERATION

• **EER 2:** Design and operate facilities to maximize efficiency of facilities and resources per user

• **EER 3:** Create “net zero” or “closed loop” systems for energy, waste, and water
  
  • EER 3.1: Create a “net zero” energy district, prioritizing technical and behavioral strategies to increase efficiency and using on-site renewable energy sources (by 5 years after full build-out)
  
  • EER 3.2: Create a “net zero” or “closed loop” district for waste streams and apply relevant techniques and training during operations (by 5 years after full build-out)
  
  • EER 3.3: Create a “net zero” district for water use, use zero potable water for landscaping, and apply relevant techniques and training during operations (by 5 years after full build-out).
**EMBRACE AN ETHIC OF REGENERATION**

- **EER 4:** Divert at least 90% of allowable waste from landfill during all site manipulation and demolition processes
- **EER 5:** Maintain or reduce greenhouse gas (GHG) emissions levels, including transportation, at or below 2015 emissions and strive for continuous reduction over time
- **EER 6:** Explore using a district scale rating system, such as EcoDistricts, LEED-ND, etc.
COMMUNITY AND NEIGHBORHOOD INTEGRATION

• CNI 1: Create porous district boundaries and physical, spatial, and psychological connections
  - CNI 1.1: Ensure access for neighbors and visitors to public transportation stops, NWCC venues, and amenities; increase connectivity and mobility overall
  - CNI 1.2: Blend the boundary between site and surrounding neighborhoods while allowing for efficient event operations and ticketing
  - CNI 1.3: Design site to a human scale for optimal user experience

• CNI 2: Continue relationship building, communication, and interaction with surrounding communities and Denver metro region, including culturally relevant engagement methods, to address community needs and reduce uncertainty

• CNI 3: Create programming that supports neighborhood identity, the local economy, and economic development through training, local business incubation, fostering entrepreneurship, local partnerships, etc.
Be Pioneering, Foster Innovation

• **BPF1 1:** Advance the state of the art using site and facility design, operations, and events as experimental and educational “Living Labs”

• **BPF1 2:** Foster entrepreneurship and innovation, particularly around food and food systems, water, energy, entertainment, livestock management, etc. through partnerships, research, training, and outreach

• **BPF1 3:** Showcase relevant innovation at the NWSS event each year

• **BPF1 4:** Use virtual and physical space to host cross-sector and cross-discipline conversations, speaker series, demonstrations, conferences, etc.

• **BPF1 5:** Establish adaptive management processes in operations and maintenance that drive continual improvement, measurement, monitoring and adaptation
ENGAGE THE RIVER AND NATURE

• **ERN 1:** Create safe, intentional connections to the river and natural areas
  - ERN 1.1: Provide diverse yet focused visual and physical access to nature and the river
  - ERN 1.2: Create series of green spaces on site that connect to one another and to nearby green spaces, trails, parks

• **ERN 2:** Use nationally or internationally recognized rating system for landscape design and maintenance, favor the use of native plants, and integrate with water use goals (EER 3)

• **ERN 3:** Replace or integrate physical infrastructure with natural systems and/or incorporate functional biomimicry and biophilic (green infrastructure) design principles wherever possible
  - ERN 3.1: Treat stormwater onsite, using various methods throughout the site, to create net zero or net positive impact on stormwater quality and quantity entering the South Platte River
**Engage the River and Nature**

- **ERN 4:** Provide education and outreach on site related to the South Platte River and its watershed and include educational components in water quality features, wastewater treatment, and water conservation measures.

- **ERN 5:** Consider impacts to the South Platte River watershed during all stages of decision making (design, construction, operations, etc.) to support the river containing swimmable, fishable water.

- **ERN 6:** Habitats along the river meet key diversity and health indicators and provide appropriate biological corridors linking to other habitats in surrounding areas.
**Inspire Health and Wellness Goals**

- **IHW 1:** Promote healthy food options, food security, and locally sourced foods.
  - **IHW 1.1:** Increase availability of healthy, affordable, culturally appropriate food sources, ideally year-round, either on site or in partnership with surrounding businesses and organizations.
  - **IHW 1.2:** Support evidence-based models that increase food security for community members, either onsite or in partnership with surrounding businesses and organizations.
  - **IHW 1.3:** Promote year-round availability of locally sourced foods, either onsite or in partnership with surrounding businesses and organizations.
Inspire Health and Wellness Goals

- **IHW 2**: Promote active transportation, active lifestyles, and access to nature for all site users to increase physical activity, promote mental wellbeing
  
  - **IHW 2.1**: Provide multi-modal transportation connections, particularly to major transit stops, neighborhoods, employment centers, parks, and other destinations
  
  - **IHW 2.2**: Design the site for extensive active use (e.g., biking, recreation, walking)
  
  - **IHW 2.3**: Improve connectivity to natural areas and places of respite, including the South Platte River
Inspire Health and Wellness Goals

• **IHW 3:** Design buildings to nationally or internationally recognize standards for health of occupants, including reduction of VOCs, daylighting, ventilation*

• **IHW 4:** Establish and meet or exceed quality of life indicators (odor, noise, light pollution, traffic, air etc.)*

• **IHW 5:** Mitigate potential soil contamination onsite to accommodate variety of uses, including landscaping and gardens where possible

• **IHW 6:** Reduce and/or mitigate heat island effect to reduce its impact on health, energy use, etc.
CELEBRATE WESTERN HERITAGE

• **CWH 1:** Ensure that the NWCC has world-class, multi-purpose stock show, rodeo, equestrian, and event facilities that support diverse year-round programming and a sustainable business model for the NWSS

• **CWH 2:** Support and promote culturally sensitive and diverse events and social gathering places that highlight the history and present of the American West

• **CWH 3:** Honor the authenticity and origins of the site, preserving architecture and features that have historic and cultural merit, while efficiently reusing them and integrating with new facilities

• **CWH 4:** Offer robust educational programming and features that provide a balanced presentation about the natural, geological, agricultural, and cultural history of the American West

• **CWH 5:** Honor the historic significance of human/animal relationships and continue to use best-in-class animal treatment and care
CREATE FUN AND ENTERTAINING EXPERIENCES

• **CFE 1:** Create programming that emphasizes health (e.g., NWCC 5K Run)

• **CFE 2:** Ensure design and operations allow for safe interactivity and hands-on learning

• **CFE 3:** Create outdoor activity spaces to provide flexible uses and a variety of experiences related to food, agriculture, livestock, energy, water, etc.

• **CFE 4:** Integrate local and regional visual and performing art and artists into the site design, programming, and operations
**Grow Local, Regional, and Global Intelligence**

- **GLRGI 1**: Provide programming that complements local and regional education, including (but not limited to) topics of agriculture, food systems, land and livestock management, veterinary medicine, history, ecology, business, the arts, and engineering.

- **GLRGI 2**: Work with local and regional schools to provide on- and off-site educational opportunities and pathways for life-long learning for students of all ages.

- **GLRGI 3**: Use infrastructure, natural systems, buildings, animal care, crop production, operations, monitoring, etc. as public, formal, and informal educational opportunities, including (but not limited to) Science Technology Engineering and Mathematics (STEM) subjects.

- **GLRGI 4**: Create or extend existing programs to support mentorships, training, and internships at the NWCC.

- **GLRGI 5**: Use the NWCC platform, both physical and virtual, to convene discussions that inform and improve the state of the art, including (but not limited to) topics of agriculture, food systems, land and livestock management, veterinary medicine, history, ecology, business, the arts, and engineering.
SITE HISTORY
New West Architecture

Livestock and Equestrian Center

• Buildings specifically related to agricultural purposes
• Simple Forms with pitched roofs
• Metal, wood with muted earth tones
• Arcades and galleries
• Highlighted entryways
• Broken up long facades
• Architectural ornament
  • Rafter tails
  • Ridge beams
  • Overhangs
  • Struts
  • Lanterns
  • Clerestories
  • Exposed columns
Industrial Architecture

Trade Show/Exposition Hall
- Reflects the historic industrial and meat packing history of the site
- Simple rectangular forms with horizontal reference
- Tower forms to highlight main entry
- Building elements that scale down the building at the plaza level
- Flat roof with architectural sawtooth clerestory
- Glass facades at street level to show activity inside
**Signature Architecture**

New Arena/CSU Center

- Reflects public use of the facilities
- Modern material of glass and steel
- Respectful to the history of the place
- Provides a unique identify to the NWC
- Provides a sense of pride for the community
- Inviting entry from I-70
Historic Architectural Reference

Historic Building and Site Artifacts Reference

• Rehabilitate and reuse historic structures
• Use elements that reflect historic past-stone, brick, wood
• Site signage and wayfinding elements tied to the history of the place
• Reference in pedestrian scaled elements throughout site
HISTORIC BUILDINGS

1917 Armour Administration Building

1909 Stadium Arena

1898-1919 Livestock Exchange Building

1952 Denver Coliseum
HISTORIC REFERENCE
Timeline and Next Steps

- Timeline: ~10 years to “complete”
- Funding: Complex capital stack including City, State, private, Federal funds
- Governance: Currently determining governance structure
- Next Steps: Historic studies, regeneration studies, market analysis, land acquisition, railroad relocation, site remediation
- Design: Phase 1 (riverfront, bridges, infrastructure, CSU Water Resources Center)
CSU’s Land Grant Legacy

“Colorado State University has been a proud partner of the National Western Stock Show for more than a century, and we’re very excited for the opportunity to now be a part of the team working to keep Colorado, Denver, and the National Western at the forefront of global agricultural innovation, outreach, and education.”

-Tony Frank, President, Colorado State University