Innovative, Collaborative End-Market Solutions Built for Colorado

WHO IS THE CEDC?

CEDC MISSION

We help companies that transform wasteful linear consumption models, products and services to circular ones grow or locate in Colorado as an integral part of a Colorado circular economy.

CEDC VALUES

Innovation
Collaboration
Leadership
Accountability
Passion
Communication

CEDC VISION

To keep all materials out of the landfill and circulating at highest value in the economy.

CEDC Team

Laurie Johnson
Director

Deputy Director	Director of Special Projects	Administrator	Business/ Marketing Director	Colorado Springs Satellite	Grand Junction Satellite	3rd Satellite	Environmental Health & Safety
							
Clio Goldsmith	**Susan Renaud**	**Eric Heyboer**	**Amy Randell**	**Alicia Archibald**	**GJ Business Incubator**	**Coming soon**	**Laura Davis**

WHAT WE DO

Services and technical assistance provided to projects admitted to the CEDC

Develop Circular Model Solutions	Economic Development
Environmental Compliance	Manufacturing Recycled Content Inputs
Public-Private Partnerships	Transportation & Logistics
Financial Analysis	Project Management

WHO WE DO IT WITH

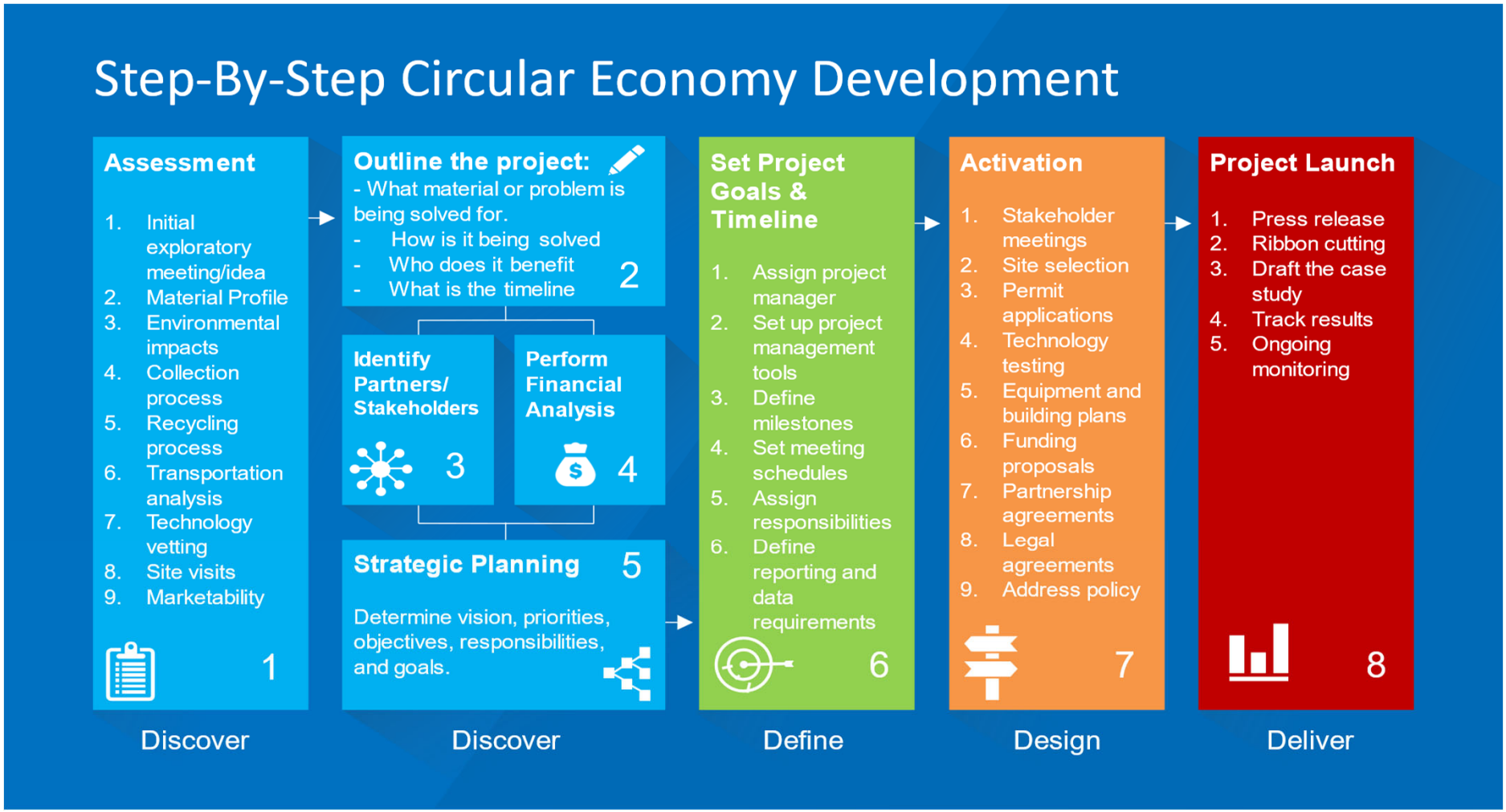
Players – Sectors and Industries

01 Manufacturing	Product Design	R&D	Technology
02 Recycling	Haulers & Processors	Cities and Counties	Policy
03 Transportation	Trucking, Rail, Transload	Departments of Transportation	Freight – Domestic & International
04 Distribution	Wholesale	Retail	Logistics
05 Funding	Government and Foundation Grants	Investors	Loans
06 Economic Development	Real Estate	Workforce Development	Financial Incentives
07 Business Development	Incubators and Accelerators	Project Management	Strategic Partnerships
08 Government	Health and Environment	Permitting	Public-Private Partnerships
09 Private Sector	Corporations	Service Providers	Small Business
10 Not for Profit	Trade Associations	Chambers of Commerce	Education

CIRCULAR MODEL COMPONENTS

The contents within each component are assembled in a step-by-step process to build out each circular economy project

STEP-BY-STEP


Step-By-Step Circular Economy Development
Assessment
1. Initial exploratory meeting/idea
2. Material Profile
3. Environmental impacts
4. Collection process
5. Recycling process
6. Transportation analysis
7. Technology vetting
8. Site visits
9. Marketability
1
Outline the project:
- What material or problem is being solved for.
- How is it being solved
- Who does it benefit
- What is the timeline
2
Identify Partners/ Stakeholders
3
Perform Financial Analysis
4
Strategic Planning
5
Determine vision, priorities, objectives, responsibilities, and goals.
Set Project Goals & Timeline
1. Assign project manager
2. Set up project management tools
3. Define milestones
4. Set meeting schedules
5. Assign responsibilities
6. Define reporting and data requirements
6
Activation
1. Stakeholder meetings
2. Site selection
3. Permit applications
4. Technology testing
5. Equipment and building plans
6. Funding proposals
7. Partnership agreements
8. Legal agreements
9. Address policy
7
Project Launch
1. Press release
2. Ribbon cutting
3. Draft the case study
4. Track results
5. Ongoing monitoring
8
Discover
Discover
Define
Design
Deliver

CIRCULAR MODEL GUIDE

Assessment

1. Initial Idea/Exploratory Meeting	Possible questions: – Ask for a full presentation of the product/service. – What stage is the product or service (lab, commercialization, growth, etc.)? – Are there patents or trademarks? – What is the capex requirement? – Are there partner agreements in place? – Does it require a special labor force? – What size building and/or outdoor space is required? – How much power is required?
2. Material Profile	– What is the material? – What is the material quantity demand? – Are there additional materials in the process? – Is there a cost for the material or a tipping revenue?
3. Environmental Impacts	– How is the material processed? Any hazardous chemicals? – Has a life cycle analysis been completed? – Is there an environmental product declaration? – Are there special permits required that you know of? – Are there emissions involved? – How much water is used? – Are there stormwater issues? – Is anything being stored outside?
4. Collection Process	– How is the material collected? – Does it require special containers or vehicles? – Where is it collected (drop sites, industrial, commercial, etc.)? – Does the material need to be processed?
5. Recycling Process	– Does the material need to be sorted? – Does material need to be baled or packaged in any way? – What are the contamination factors?
6. Transportation Analysis	– How is the material transported to the manufacturing facility? – What is the transportation plan for distribution? – Do the finished goods require a specific type of transport?

Outline the Project

– Choose your project manager and identify your team.
– Develop a brief project plan.
– Outline what the problem is, how it is being solved, and who it benefits.
– Estimate a timeline.

Strategic Planning

Information to gather:
– Identify hurdles or challenges
– Identify partners and collaborators
– Will this be a public-private partnership? Are there economic development incentives?
– Identify stakeholders and stakeholder communication needs
– Identify any applicable policies, ordinances, or regulations
– Outline site needs and potential locations
– What are permitting requirements?
– What are the funding needs?
– With the company or solution, review financials or perform a basic financial analysis.
Draft a strategic outline
– Describe the vision
– What are the priorities?
– What are the objectives?
– What are the responsibilities?
– What are the goals?

Project Plan

– Set up project management tools (Gannt charts, communication, digital resources).
– Define the milestones and who on the team is responsible for each one.
– Set meeting schedules.
– Assign responsibilities and determine if they are staff or contractor roles.
– Determine if any permits or regulatory requirements will affect the timeline.
– Set up data gathering protocols and requirements.
– Decide on reporting criteria and reporting frequency.

Activate the Project Plan

This is the part of the project when all the "doing" begins to happen. It is important to document each step and keep all information in a central location for the project team to access. *This is the job of the Administrator with help from the Project Manager.*
All these things should be happening simultaneously throughout the project: – Stakeholder meetings – Site selection – Permit applications – Technology testing – Product testing – LCA and EPD processes started if not already in progress – Building layout or co-location plans – Funding proposals – Partnership agreements and all legal contracts – Address any policy or regulatory issues – Begin drafting communication – Begin to line up transportation solutions if needed

Project Launch

You did it! The site is opening or the product is being manufactured and going to market. Your job is not done. For the model to be beneficial to the industry, you will need to: – Draft a case study or a report on the project process to be used as a model. – Conduct ongoing monitoring in case assistance is needed for the first year. – Track results for at least three years.

CEDC

SAMPLE PROJECTS

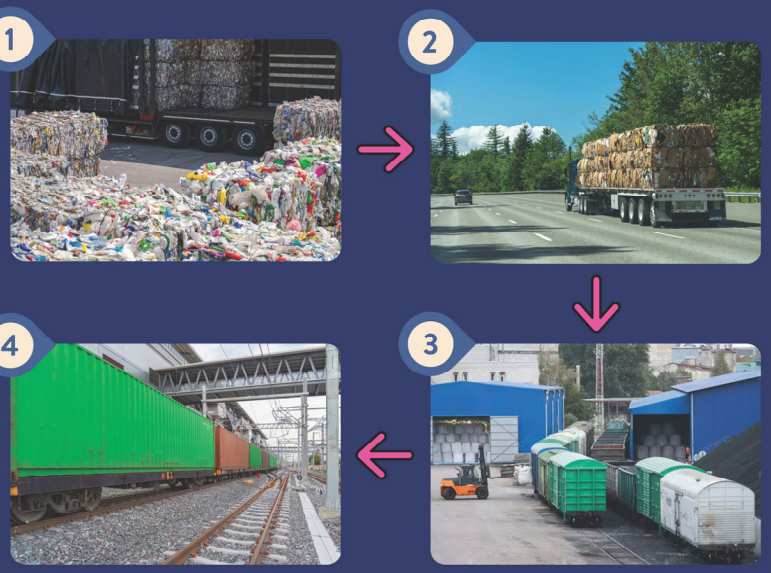
WE ALL HAVE STORIES TO TELL

SAMPLE PROJECTS

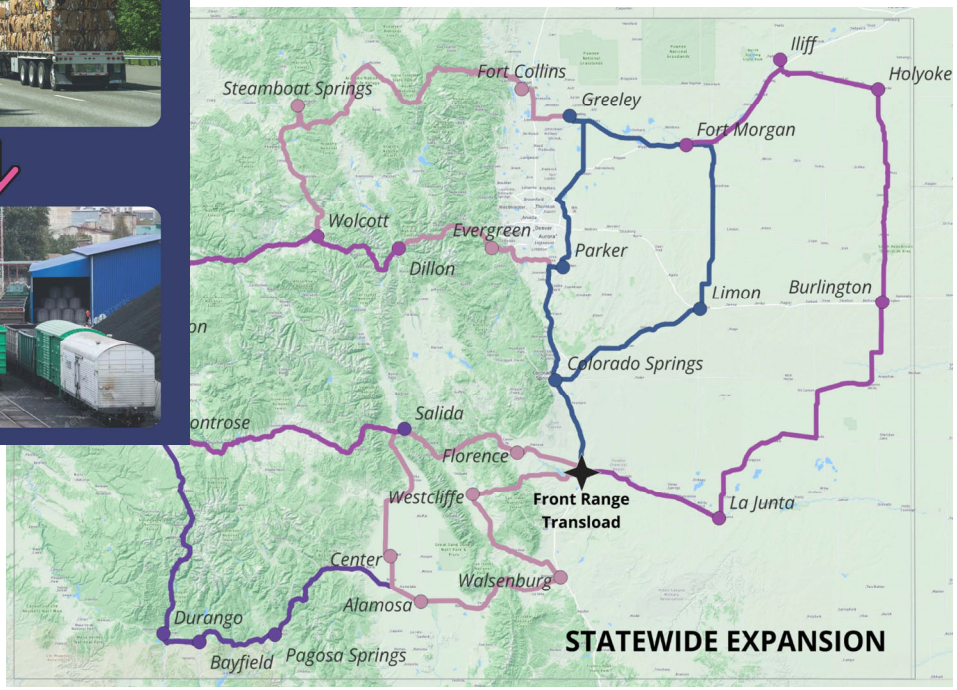
TRANSLOAD FACILITIES DEFINED

What is transloading?

The transfer of goods from one mode of transportation (truck) to another (rail car) at an intermediate stop between the shipper and final destination.



Front Range Transload



WE ALL HAVE STORIES TO TELL

SAMPLE PROJECTS

SAINT-GOBAIN ACQUIRES ASPHALT SHINGLE RECYCLING TECHONOLOGY, ADVANCING ITS COMMITMENT TO WASTE REDUCTION

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SAINT-GOBAIN

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ASPHALT INNOVATIONS

WE ALL HAVE STORIES TO TELL

PATH TO FUNDING

The CEDC can help connect projects to funding sources.

Colorado Circular Communities C3

$13M + Annual Fund to invest in recycling and circular economy infrastructure statewide

Impact Investing

Private investment interested in making a positive social or environmental impact

OEDIT Advanced Industries

Early stage capital and retention grant up to $250,000

Federal Grants

Federal financial assistance for specific projects such as research, technology, specific material solutions

Contact Us

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CEDC

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