



*Helping create communities where people thrive*

# WELCOME AFTERNOON



CCLF is a Community Development Financial Institution (CDFI), sometimes called an Opportunity Finance Organization

## **Mission**

Established in 1991 to provide flexible, affordable capital and technical assistance for community stabilization and development.

## **Structure**

Individual and institutional investors fund CCLF creating a pool of loan capital with a goal to improve the lives of people in disinvested communities.

# CCLF'S Impact

As of Q3 2023, since CCLF's inception, it has financed 627 that equates to \$351,939,725 which has:

- leveraged \$1,931,752,651
- leading to 12,145 unit of housing
- 13,223,477 square of commercial / retail
- created 7,628 jobs
- helped to retained 1,232 jobs
- and support 2,559 construction jobs



# Project Types

- Affordable Housing
  - Single-family and multi-family
  - Rental and for-sale
  - Cooperatives
- Retail
- Commercial
- Community and industrial facilities
- Social Enterprises





# Loan Types

- Predevelopment Loans
- Construction and Rehabilitation Loans
- Mini-Permanent Mortgage Loans
- Permanent Mortgage Loans
- Equipment and Working Capital Loans



# Special Initiatives

- Chicago Neighborhood Rebuild
- Multi-Family 15-year Permanent Financing
- Shared Ownership Housing Preservation Fund



# Chicago Neighborhood Rebuild (CNR)

- Started in 2018 as a pilot program to help stabilize vacant single-family homes and 2-flats with local developers while providing opportunities for at risk-youth and ex-offenders
- City of Chicago, CCLF, MB Financial, RUSH University Medical Center, CCLBA, CIC, Safer, and CARA partnered to execute the now City-wide initiative that continues to grow in its focus of property types
- The goal was to allow individuals from the community to be their own boss
  - Job opportunities
  - Property preservation
  - Wealth building



# CNR Revolving LOC\*

- Up to \$1,000,000
- 39-Months (Blackout last 3-Months)
- Interest Only (I/O) @ 5%\* with built-in payment reserve
- Advance up to 90% of acquisition and rehab costs for each property with flexible LTV ratios
- Appraisals for each property will be ordered upon project completion should the property not be sold within 180 days of completion or immediately if the acquisition and rehab advances for a property are estimated to exceed \$300,000
- Borrowers can close on the commitment without collateral.
  - Collateral required to advance/draw on the LOC.
- Appraisals for each property will be ordered upon project completion and stabilization should the property not be sold within 180 days of completion or immediately if the acquisition and rehab advances for a property are estimated to exceed \$300,000.
  - If the appraisal results in greater than 100% LTV, borrower will be required to right size the loan immediately.
- Construction budget and draw requests shall be reviewed and approved by a third-party architect and CCLF's Asset Manager
- Disbursements shall be handled through the title company with date down endorsements.
- Unit borrower limits will be created during underwriting
- Release pricing for each asset will be the advance amount plus accrued interest and the architect monitoring fees if not paid in advance.

\*Minimum LOC \$300,000. Current terms as of November 2023. Subject to change.

# Multi-Family 15-year Permanent Financing\*

CCLF has roughly \$11MM of a \$15MM low-cost fund for long-term, multi-family (5+ unit) building owners seeking to increase cash flow and accumulate equity faster.

- Amount: Up to \$5,000,000
- Term: 15-year term
- Amortization: Up to 25-years
- Rate: 4.75% fixed
- LTV: Up to 80%
- Payments: P&I
- Fees: \$250 application, 2% origination, 4% estimated closing costs, and all other third-party fees

\*While available..

## **“How to Avoid Underwriting Pitfalls”**

1. Be clear on your strategy
2. Know your ask – “What do you need?”
3. Set expectations with your lender
4. Read through the application in its entirety
5. Submit one complete and clear package (submittal)
6. Provide notes for any points of clarification in your submittal



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## Contact Information

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# Q & A





## Illinois Department of Commerce

& Economic Opportunity

OFFICE OF ENTREPRENEURSHIP,  
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# Advantage Illinois – SSBCI 2.0 PLP

# Advantage Illinois

Is a Participation Loan Program (PLP) that helps Illinois businesses get term loan financing at lower rates.

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Consists of purchasing a portion of the loan, lowering the risk for the lenders.

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The goal is to help businesses grow, expand, and create new jobs in Illinois at a faster rate.

# Advantage Illinois

Fills the gaps that prevent business from obtaining financing

Collateral and/or  
equity shortfalls

Lack of historical  
cash flow (Start- up)

Low credit score

Negative net worth

The loan can be used for:



Real estate  
(must be 51% or  
more occupied  
by the business)



Inventory



Working  
Capital



Equipment



Leasehold  
Improvements



Accounts  
receivable



Refinancing is allowed

- Unrelated Lender
- Cannot be used to finance extraordinary dividend or distribution

# Advantage Illinois

## Benefits



Businesses

- Access to financing
- Lower rates



Lenders

- More loan volume
- Less risk



Advantage  
Illinois

- Economy growth
- Job creation and retention

## Important Information

Advantage Illinois' participation is subordinate to the bank.

There are NO Advantage Illinois term loan fees for the borrower or lender.

\*Lenders can still charge their normal fees.

Documentation and application process is short and simple

Advantage Illinois uses lender's write-up/loan presentation

ITR-1 is required and sent to the Illinois Department of Revenue (IDOR)

# Advantage Illinois

## Eligibility

Less than 750  
employees

Operate in the  
State of Illinois

Be in good standing  
with the Illinois  
Secretary of State

Clear of any back taxes

No bankruptcies,  
judgements, or  
liens in the past  
5 years


# Advantage Illinois

Not Eligible

Cannabis (other  
programs available)



Investment real  
estate



Tobacco

Goodwill related to  
change in ownership



Adult  
entertainment/  
Gambling

# Advantage Illinois

## Types

### STANDARD

### SEDI

(Socially and Economically Disadvantaged Individual(s))

Maximum participation	The lesser of: <ul style="list-style-type: none"><li>• 25% of the project (all sources of funding)</li><li>• 50% of the loan</li><li>• \$2 million</li></ul>	The lesser of: <ul style="list-style-type: none"><li>• 50% of the project (all sources of funding)</li><li>• 50% of the loan</li><li>• \$2 million</li></ul>
Maximum term	7 years	7 years
Amortization	Yes	Yes
Rate	Fixed at 2% below lender rate with a floor of 2%	Rate fixed at 2%
Job Creation and/ or Retention	Each \$50,000 participated: One full time job should be created or retained in the next 2 years	Each \$65,000 participated: One full time job should be created or retained in the next 2 years

# Advantage Illinois

SEDI

Businesses Owned/ Controlled by Individuals with Diminished Credit

CDFI Criteria

- Membership of a group subjected to racial/ ethnic prejudice or cultural bias	- Member of a federally or state-recognized Indian Tribe	1) Owned/ controlled by individuals who reside in CDFI investment area
- Gender	- Long-term residence in a rural community	2) Business Enterprises certify they will operate a location in a CDFI
- Veteran Status	- Residence in a community undergoing economic transitions	3) Business Enterprises that are located in CDFI investment areas
- Limited English Proficiency	- Membership of another “Underserved Community” (Executive Order 13985)	
- Long-term residence in an isolated environment from mainstream American society		



# Advantage Illinois

## Process



Borrowers



Lenders



Advantage Illinois

1



Find a lender



Do their own underwriting and afterwards send documents to Advantage Illinois



Underwriting

2



Fill out the ITR-1 for the owner and business



Send ITR-1 Forms to Advantage Illinois



Send ITR-1's to department of revenue for tax clearance

3



Once Advantage Illinois receives Tax Clearance from Revenue, The Loan is taken to committee

4



Sign the approval letter and send it back to Advantage Illinois



Once Advantage Illinois approves the loan, the approval letter is sent to the lender to be signed



5



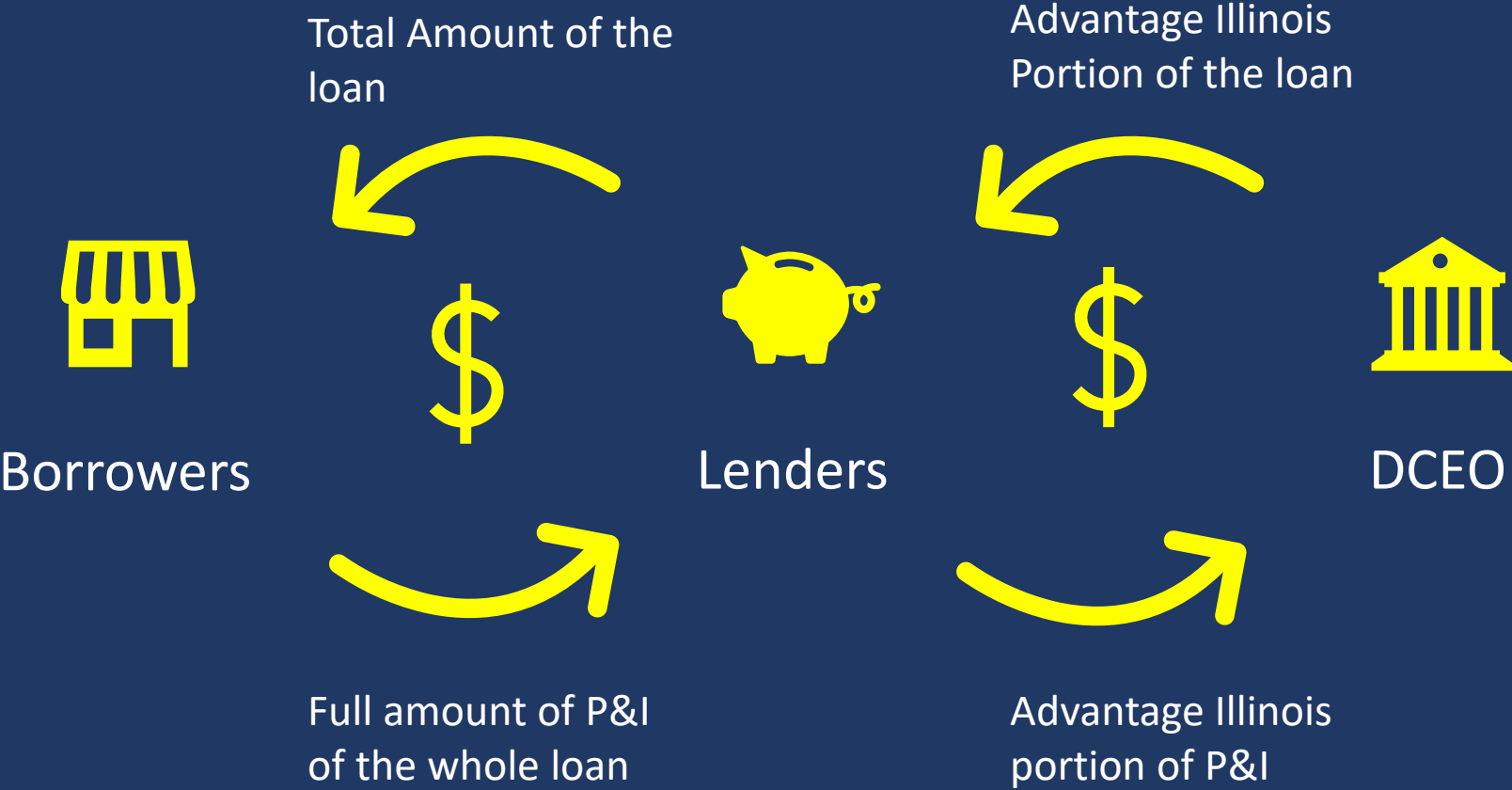
Finish all the closing documents and send them to Advantage Illinois



Once Advantage Illinois receives the closing documents, the funding process starts

# Advantage Illinois

## Payments



# THE ILLINOIS DEPARTMENT OF COMMERCE WANTS TO PARTNER WITH YOU

## Sean Pritchard

Advantage Illinois Program Manager  
Springfield Office

## Mark Schultz

Advantage Illinois Team  
Springfield Office

## Robert Owens

Advantage Illinois Team  
Springfield Office

## Duane Walker

Advantage Illinois Team  
Springfield Office

## Sharon Polk

Advantage Illinois Team  
Chicago Office

## John Taflan

Advantage Illinois Team  
Chicago Office



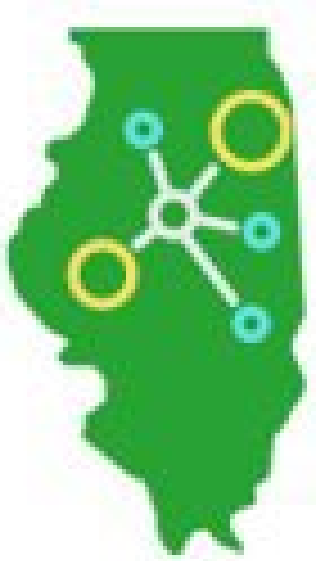
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# Climate and Equitable Jobs Act: Positioned for Generational Impact

NAACP Chicago Westside Branch

*Aaron McEvoy*

*3/25/2024*



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# Grant Manager Office of Energy & Business Utility

## The Mission

- Position Illinois communities to prosper in the green economy.

## The Vision

- Comprehensive access to resources that promote public health, safety, a cleaner environment, quality jobs, and economic opportunity



**Aaron McEvoy**

*Aaron.mcevoy@illinois.gov*



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# Pop Quiz

**Q1:** In Sept of 2021, IL passed the nation's leading climate equity legislation, What is it called?

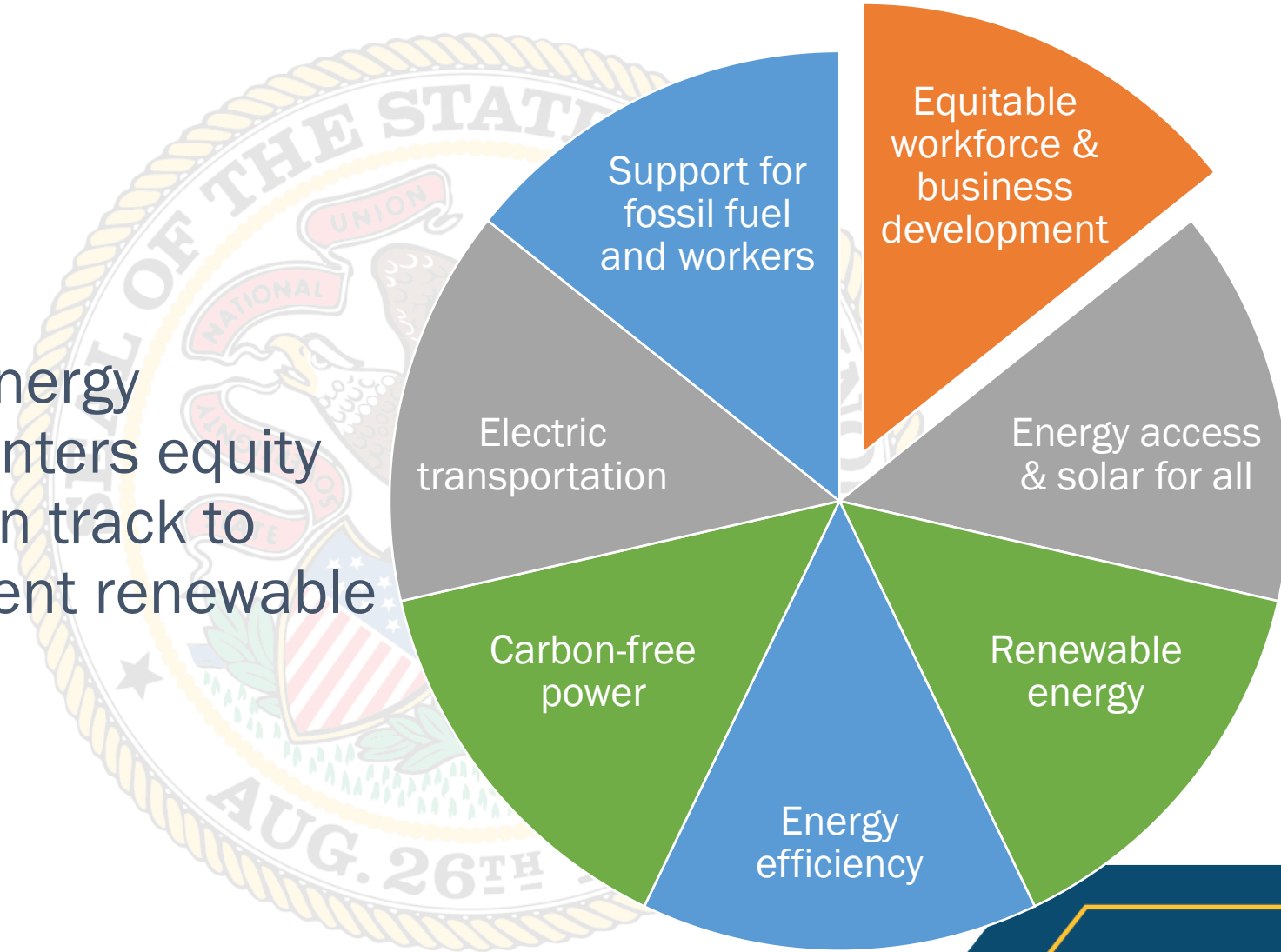


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# What is the Climate and Equitable Jobs Act, or CEJA?

Comprehensive energy legislation that centers equity and puts Illinois on track to achieve 100 percent renewable energy by 2050.





## Equality



The assumption is that **everyone benefits from the same supports**. This is equal treatment.

## Equity



**Everyone gets the supports they need**

## Justice



All 3 can see the game without supports or accommodations because **the cause(s) of the inequity was addressed**.  
The systemic barrier has been removed.

# What is Equity?



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## DCEO CEJA

- Workforce development programs
- Contractor programs
- Community economic development programs
- Reimagining Energy and Vehicles in Illinois Act (REV)

## Illinois Finance Authority

- IL Climate Bank Finance (CBF)
- C-PACE - CFI
- GRID: muni utility/rural coops,
- State Small Bus. Climate Initiative
- Charging & Fueling Infra.
- EE Revolving Load Fund

## Illinois Dept. of Transportation

- National Electric Vehicle Infrastructure
- Carbon Reduction Program
- Congestion Mitigation & Air Quality
- Competitive Freight-Port Infrastructure

## Federal Programs

- Ride and Drive Electric, Buy America
- Greenhouse Gas Reduction Fund (GGRF)
- IRA, Justice 40...and more

# IL Renewable/Clean Energy Transition Ecosystem



## Illinois Community College Board

- IAC Program: Clean Energy Build/Manufacturing Workforce

## Capital Development Board

- Municipal Building Codes Implementation (pending)

## Illinois Power Agency

Illinois Shines

- IL Solar For All
- EEP/EEC Portal
- Min. Equity Standard
- Bright Neighborhood Pilot

## Illinois Environmental Protection Agency

- Energy Codes Training & Tech Support
- EE Trust Fund
- Electric Vehicle Rebate
- Electric School Bus
- Renewable Energy Trust Fund
- *EE Contractor Training*
- Volkswagen Settlement Funds

## Illinois Commerce Commission

- Equitable Energy Upgrade Program

## CMS

- Electric Vehicle Charging

## Illinois Housing Authority

- Energy Efficiency Program
- Green Resilient Retrofit Program

# CEJA Workforce and Contractor Programs

## Contractor support programs (OEIT)



Contractor  
Incubator  
\$21M/yr.



Contractor  
Primes Accelerator  
\$9M/yr.

## Workforce training programs (OET)



Clean Jobs  
Workforce Network  
\$21M/yr.



Climate Works  
Pre-apprenticeship  
\$9M/yr

## Workforce support programs (OET)



Energy Transition  
Navigators  
\$6M/yr.



Energy Transition  
Barrier Reduction  
\$15M/yr



Returning Resident  
Clean Jobs  
\$6M/yr

## Economic Development Jobs & Environmental Justice (OEBU)



Coal to Solar



Energy Transition  
Community Grant  
\$40M/yr



Equitable Energy  
Future Grant  
Up to \$25.5M/yr



Solar Energy  
Sovereignty Grant  
Up to \$8.5M

## Commissions, Councils & Boards

- Energy Transition Workforce Commission
- Energy Workforce Advisory Council
- Clean Energy Jobs and Justice Fund



# 13 regional workforce hubs in 3 regions: Many hubs will remain unfunded

## Northern IL

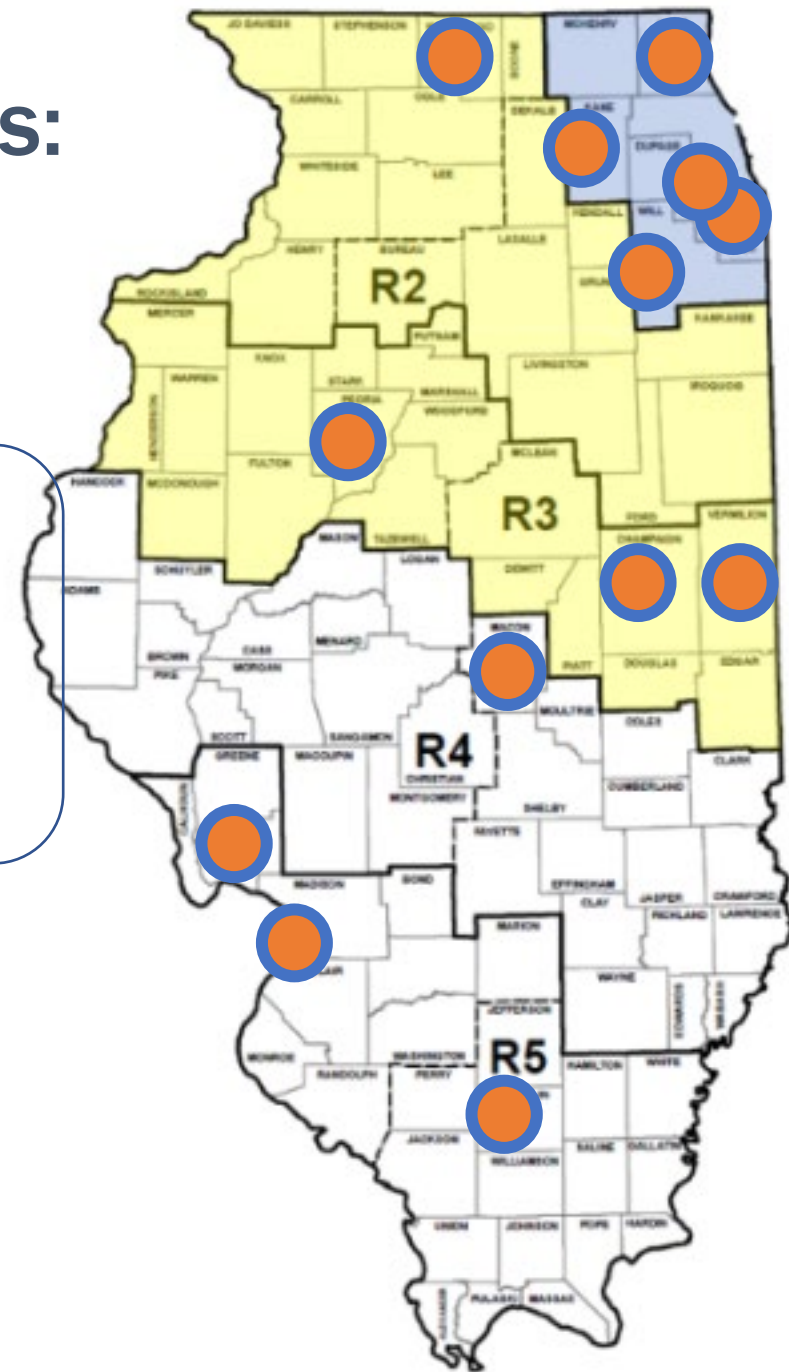
- Chicago West Side\*^
- Chicago Southwest Side\*^
- Joliet
- Waukegan
- Aurora

## Southern IL

- Decatur\*
- Carbondale^
- East St. Louis
- Alton\*

## Central IL

- Rockford\*^
- Champaign\*
- Peoria
- Danville





# Pop Quiz

**Q2: To qualify** for many of the CEJA programs you have to be an Equity Eligible Person (EEP). Name 1 of the 4-5 EEP criteria.



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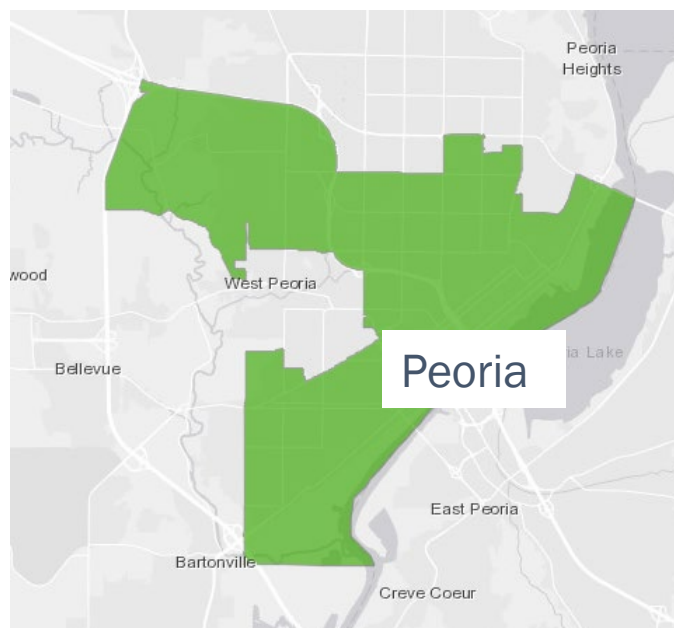
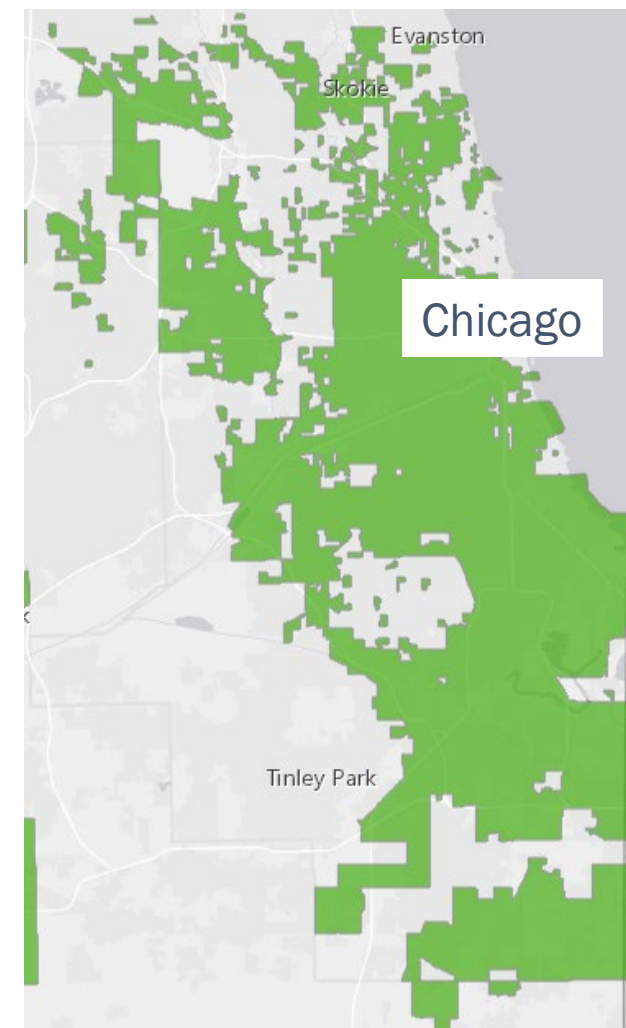
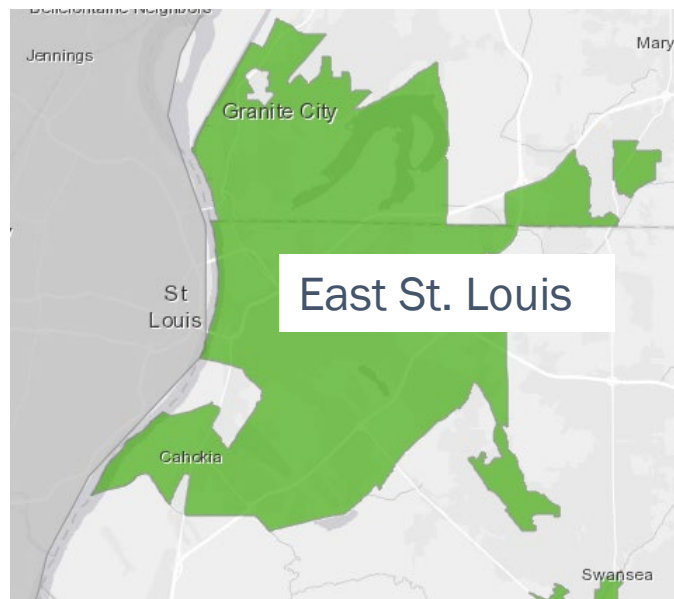
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# Equity Eligibility?

## Target populations:

1. Primary Residence in an Environmental Justice (EJ) or R3 community
2. Former member of foster care
3. Graduate of Criminal Justice System
4. Graduates of FEJA/CEJA programs
5. *Other Employment Challenges, Impacted by Power Plant Closures*





# Equitable Energy Future Grant

## Section 5-60 pg 51

### ***Program Criteria:***

- Seed funding and pre-development funding to equity eligible contractors to support energy efficiency (EE) and renewable energy (RE) projects.

### ***Project Activities:***

- planning and project development,
- professional services: architecture, design, engineering, auditing, consulting, and developer services;
- project application, deposit, and approval;
- purchasing and leasing of land;
- permitting and zoning;
- interconnection application costs and fees, studies, and expenses;
- equipment and supplies;
- community outreach, marketing, and engagement;
- staff and operations expenses

### ***Applicant Criteria:***

- Equity Eligible Contractors: [Become an Equity Eligible Contractor – Illinois Adjustable Block Program \(illinoisabp.com\)](https://illinoisabp.com), [Illinois Adjustable Block Program - EEC Designee Application & Attestation \(office.com\)](https://office.com)
- Provide demonstrable proof of a historical or future, and persisting, long-term partnership with the community in which the project will be located



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# Community Solar Energy Sovereignty Grant

Section 5-60 pg 51

$\leq \$8.5M$

## ***Program Criteria:***

- Support pre-development and development of community solar projects that promote community ownership and energy sovereignty
- ability and intent to create community ownership and other local community benefits, including local community wealth building via community renewable generation projects.

## ***Project Activities:***

- Pre-development work
- Development of programs and entities to assist in the long-term governance, management, and maintenance of community solar projects: such as community solar cooperatives.
- Early-stage project planning
- Project team organization
- Site identification;
- Organizing a project business model and securing financing
- Procurement and contracting;
- Development of project models that allocate benefits to equity investment eligible communities.

## ***Applicant Criteria:***

- Include community-based organizations,
- Technical service providers working in direct partnership with community-based organizations



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# Reactions & Questions

- 1) Who has or is considering applying for any of the CEJA Grants?
- 2) What challenges are you facing?
- 3) TA Sessions: what was helpful? What do you need more of?



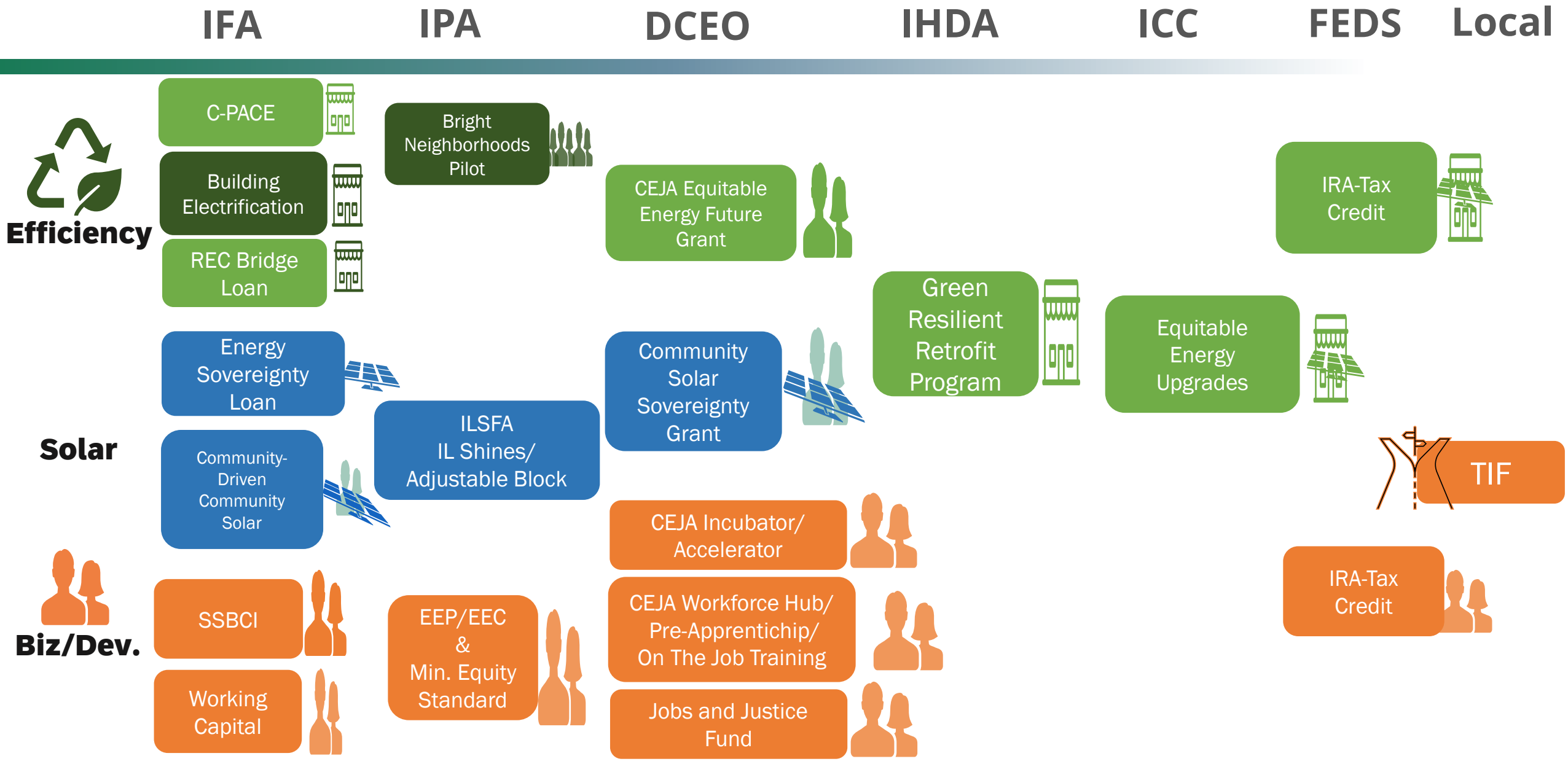
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**Project Scenario:** Non-profit organization, Net Zero/Near Net Zero Retrofit, located in and/or serves EJ/R3/DAC, mixed use commercial/residential building with market rate and low-income tenants







# Comments & Questions

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**Illinois Solar for All**

# **ILSFA Overview for Small and Emerging Businesses**

NAACP Chicago Westside Branch Workshop - 3/26/2024

# Agenda

- ILSFA sub-programs
- Role of the Approved Vendor
- ILSFA program benefits
- Renewable Energy Credits
- Q&A



# About Illinois Solar for All (ILSFA)

- Illinois Solar for All (ILSFA) is one of two flagship state solar programs, launched with the Future Energy Jobs Act in 2019
- ILSFA provides incentives to bring solar to income-eligible households, and non-profits and public facilities
- ILSFA projects are driven by Approved Vendors (solar companies)



# ILSFA Project Types

font for your text.



## **Small Residential Solar: (SFH)**

Household must be income eligible (80% or less of AMI)

Costs / fees won't exceed 50% of value of electricity produced;

NO upfront cost to participants

## **Two- to Four-Unit Properties**

At least 2 households must be income eligible



## **Large Residential Solar: (5+ units)**

At least 50% of households must be income-eligible

Costs / fees won't exceed 50% of value of electricity produced

Upfront costs ARE allowed



## **Non-Profit and Public Facilities**

Facilities serving and located in income-eligible or EJ communities

Costs / fees won't exceed 50% of value of electricity produced

Upfront costs ARE allowed



## **Community Solar**

Income-eligible residents can subscribe

Costs / fees won't exceed 50% of value of electricity produced

NO upfront cost to participants UNLESS energy sovereignty (ownership model)





# How the Program Works



## Pre-qualified solar vendors

The program evaluates and **approves vendors** to meet program requirements and help protect consumers. Technical requirements and installation inspections help ensure quality workmanship.



## Equitable participation

Income-eligible homeowners and renters, as well as non-profits and public facilities serving income-eligible or environmental justice communities, may be eligible for participation. **Click here for more on income eligibility** in Illinois.



## Participant savings

With Illinois Solar for All, income-eligible participants will see no upfront costs, and ongoing costs and fees will not exceed 50% of the value of the energy generated from the solar project.





# Role of Approved Vendors

- [Approved Vendors](#) are a critical component of the Illinois Solar for All program. They are responsible for all aspects of ILSFA projects.

**Illinois Shines Program Registration**

All applicants, with the exception of the Approved Vendor Designee, must first qualify as Approved Vendors under the **Illinois Shines Program vendor's registration process** before applying to be an Illinois Solar for All Approved Vendor.

**Community Engagement**

Approved Vendors must present a community engagement plan during the registration process. Additional community engagement steps will be required during project development, particularly for community solar projects.

**Job Training**

Approved Vendors must demonstrate that a minimum number of hours performed during the installation process are completed by qualified job trainees. The registration process requires candidates to submit a plan for achieving these requirements over the first three years of the program. For more information on Illinois Solar for All job training requirements, visit the **job training page** or download the Illinois Solar for All **Approved Vendor Manual**.

**Savings Requirements**

Illinois Solar for All requires that all eligible solar projects are offered to participants with no upfront costs and any ongoing costs and fees do not exceed 50% of the value of energy generated by the system in the first year, regardless of whether the system is owned, leased, or financed through a Power Purchase Agreement (PPA).

**Consumer Protections**

Illinois Solar for All protects consumers by ensuring projects have no upfront costs and that any ongoing costs and fees do not exceed 50% of the value of energy generated by the system. Other protections include standard disclosures, no prepayment penalties, and the right for participants to cancel the contract with vendors. Additionally, comprehensive marketing guidelines are established for all Approved Vendors.



# Role of the Approved Vendor cont.

- Approved Vendors develop project pipelines
  - Find sites and customers
  - Assess site suitability
  - Complete ILSFA project applications
  - Ensure projects meet program requirements
  - Resolve issues and move projects forward



# ILSFA Benefits

- Statewide solar program
- Opens market to income-eligible and non-profit and public facility participants
- 15-year REC contract
- Aligns with mission-driven companies
- Support and resources for the duration of your participation, including assistance in identifying qualified job trainees



# ILSFA and Renewable Energy Credits (RECs)

ILSFA provides payments in exchange for 15 years of RECs generated by the solar systems. ILSFA enables the sale of RECs produced by qualified systems to Illinois utilities or the Illinois Power Agency (IPA). Payments vary based on the project type, system size, and location.

- **What Are RECs & Why Are They Valuable?**

RECs are created when renewable energy generation systems (solar panels) generate electricity. RECs represent the environmental attributes of that electricity. Approved Vendors sell RECs through the state solar programs.

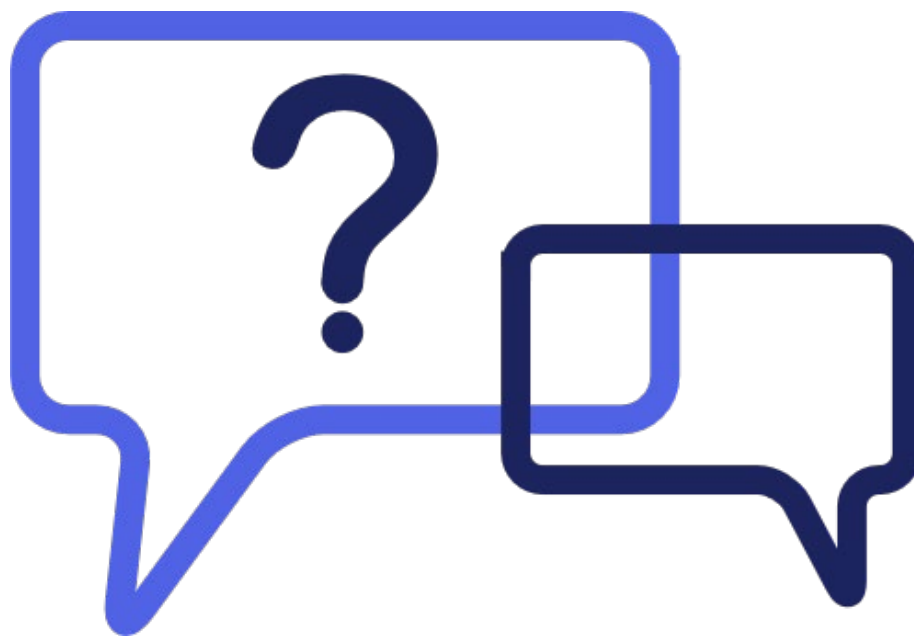


# ILSFA Small and Emerging Business Initiative

- The Small & Emerging Business initiative supports Approved Vendors and prospective Approved Vendors through 1:1 meetings, workshops, webinars, partnerships and information and resources.



# Questions?



# Contact Us

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ILLINOIS SOLAR FOR ALL



## ABOUT THE SPEAKER

# Sean Harden

### Professional Background:

- Past roles include former assistant to Mayor Richard M. Daley for Interfaith and Community Affairs, CEO of Goodcity, Deputy CEO with Chicago Public Schools, and Program Officer with Local Initiative Support Corporation (LISC).
- Founded Hard Wright Development in 2022 with a focus on developing transformative residential housing in LMI neighborhoods
- Founded Harden Wright Consulting Group in 2013, advising on community and economic development initiatives.





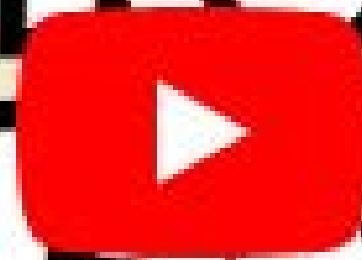


Financial Risk Management in Construction



Share

# MANAGING CONSTRUCTION RISKS



Watch on  YouTube

<https://www.youtube.com/watch?v=j0eHaI-cudw&t=12s>

# KEY COMPONENTS BUSINESSES MUST CONSIDER WHEN ACCESSING CAPITAL





# OBJECTIVES



To offer strategies for effective financial capacity management in the construction industry.



To explore ways to foster sustainable financial health within construction companies.



To review Cost Budgeting and Forecasting



To build relationships with financial institutions



To review potential sources of funding



# IMPORTANCE OF FINANCIAL CAPACITY



## Project Viability:

Financial capacity ensures that a construction project is feasible and viable, providing the necessary resources for initiation, sustenance, and successful completion.



## Risk Mitigation:

Strong financial capacity acts as a buffer against unforeseen challenges and risks, allowing construction companies to adapt and navigate issues without compromising project quality or timelines.

## Credibility and Competitiveness:



Financial stability enhances a construction company's credibility, fostering trust among stakeholders. It also positions the company to submit competitive bids, demonstrating the ability to fulfil contractual obligations and ensuring long-term success.



# **UNDERSTANDING FINANCIAL CAPACITY**





# FINANCIAL CAPACITY DEFINED



Financial capacity refers to a company's ability to fund, manage resources, and mitigate risks effectively for successful project initiation and completion.





# **POTENTIAL CONSEQUENCES OF INSUFFICIENT FINANCIAL CAPACITY ON PROJECT OUTCOMES**

**Project Delays**

**Stakeholder  
Discontent**

**Quality  
Compromises**

**Legal Issues**

**Safety  
Concerns**





# **BUILDING A ROBUST FINANCIAL STRATEGY**



# CREATING A COMPREHENSIVE FINANCIAL PLAN

## Definition

A comprehensive financial plan is a strategic document outlining financial goals, risk mitigation, and resource allocation. It fosters informed decision-making, manages risks, builds investor confidence, aligns with business goals, and ensures adaptability.

## Importance

This tool supports long-term sustainability, facilitates performance evaluation, ensures regulatory compliance, and serves as a transparent communication tool for stakeholders. Ultimately, it is integral to achieving financial success and sustained growth.





# BUDGETING, WHY IS IT IMPORTANT?



Guides financial management in construction projects.



Ensures efficient resource allocation.



Mitigates risks and enhances project control.



# TECHNIQUES FOR ACCURATE PROJECT BUDGETING



Detailed cost estimation and analysis.



Historical data analysis for benchmarking.



Collaboration with project stakeholders for comprehensive insights.





# THE BASICS OF CONTINGENCY





**Allocating contingency funds is crucial for project risk management. Real estate project managers include provisions in the budget for unforeseeable uncertainties, distinct from allowances for known unknowns. This contingency reserve protects against potential repercussions from project-related risks.**





# ROLE OF FORECASTING



Anticipates financial challenges and opportunities.



Helps in strategic decision-making and risk mitigation.



Enhances adaptability to changing market conditions.







# KEY FINANCIAL METRICS





**PROFITABILITY RATIO**



**DEBT MANAGEMENT  
METRICS**



**LIQUIDITY RATIO**



**PROJECT SPECIFIC  
METRICS**



**EFFICIENCY METRICS**



**CASH FLOW METRICS**

# PROFITABILITY RATIOS



## Gross Profit Margin

Indicates the percentage of revenue retained after deducting direct project costs.

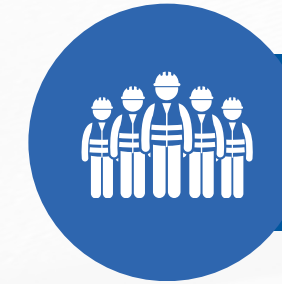
## Net Profit Margin



Measures the overall profitability of the construction project by assessing the percentage of profit against total revenue.



# GROSS PROFIT MARGIN



## Gross Profit Margin

Let's say a construction company generates \$1 million in revenue from its construction projects. The total cost of goods sold (direct costs associated with construction, labor, and materials) for these projects amounts to \$700,000. The gross profit is calculated as follows:

$$\text{Gross Profit} = \text{Revenue} - \text{Cost of Goods Sold}$$

$$\text{Gross Profit} = \$1,000,000 - \$700,000 = \$300,000$$

Now, to calculate the Gross Profit Margin:

$$\text{Gross Profit Margin (\%)} = \left( \frac{\text{Gross Profit}}{\text{Revenue}} \right) \times 100$$

$$\text{Gross Profit Margin (\%)} = \left( \frac{\$300,000}{\$1,000,000} \right) \times 100 = 30\%$$

Indicates the percentage of revenue retained after deducting direct project costs.

In this example, the construction business has a healthy Gross Profit Margin of 30%, indicating that it retains 30 cents as gross profit for every dollar of revenue after covering the direct costs associated with its construction projects.

# NET PROFIT MARGIN

After accounting for operating expenses such as salaries, utilities, and administrative costs, the company has incurred \$150,000 in total operating expenses. Now, we can calculate the Net Profit:

$$\text{Net Profit} = \text{Gross Profit} - \text{Operating Expenses}$$

$$\text{Net Profit} = \$300,000 - \$150,000 = \$150,000$$

To calculate the Net Profit Margin:

$$\text{Net Profit Margin (\%)} = \left( \frac{\text{Net Profit}}{\text{Revenue}} \right) \times 100$$

$$\text{Net Profit Margin (\%)} = \left( \frac{\$150,000}{\$1,000,000} \right) \times 100 = 15\%$$

## Net Profit Margin



Measures the overall profitability of the construction project by assessing the percentage of profit against total revenue.

In this example, the construction business has a healthy Net Profit Margin of 15%. This means that after accounting for both the direct costs of construction and operating expenses, the company retains 15 cents as net profit for every dollar of revenue. A positive and consistent net profit margin is generally considered a sign of a financially healthy business.



# LIQUIDITY RATIOS



## Current Ratio

Assesses the company's ability to cover short-term liabilities with its short-term assets.



## Quick Ratio

Measures the company's immediate liquidity by excluding inventory from current assets.

# CURRENT RATIO

The current ratio is a measure of a company's ability to cover its short-term liabilities with its short-term assets. A healthy current ratio is generally considered to be above 1, indicating that the company has more current assets than current liabilities.

Let's assume a construction business has the following financials:

- Current Assets: \$800,000
- Current Liabilities: \$500,000

The current ratio is calculated as:

$$\begin{aligned}\text{Current Ratio} &= \frac{\text{Current Assets}}{\text{Current Liabilities}} \\ \text{Current Ratio} &= \frac{\$800,000}{\$500,000} = 1.6\end{aligned}$$



## Current Ratio

Assesses the company's ability to cover short-term liabilities with its short-term assets.

In this example, the construction business has a healthy current ratio of 1.6, suggesting that it has \$1.60 in current assets for every \$1.00 in current liabilities. This indicates a strong ability to cover short-term obligations and implies good liquidity. Generally, a current ratio above 1 is considered favorable, while a ratio below 1 may raise concerns about liquidity.



# QUICK RATIO

The quick ratio, also known as the acid-test ratio, is a more stringent measure of a company's ability to meet its short-term liabilities with its most liquid assets. It excludes inventory from current assets, as inventory may not be as easily convertible to cash in the short term.

Let's assume the following financials for a construction business:

- Cash and Cash Equivalents: \$300,000
- Accounts Receivable: \$200,000
- Inventory: \$100,000
- Current Liabilities: \$150,000

The quick ratio is calculated as:

$$\begin{aligned}\text{Quick Ratio} &= \frac{\text{Cash} + \text{Accounts Receivable}}{\text{Current Liabilities}} \\ \text{Quick Ratio} &= \frac{\$300,000 + \$200,000}{\$150,000} = 2\end{aligned}$$

## Quick Ratio



Measures the company's immediate liquidity by excluding inventory from current assets.

In this example, the construction business has a healthy quick ratio of 2, indicating that it has \$2.00 in quick assets (cash and accounts receivable) for every \$1.00 in current liabilities. A quick ratio above 1 suggests that the company can meet its short-term obligations without relying on the sale of inventory, which is a positive sign of liquidity.



# EFFICIENCY METRICS



## Return on Assets (ROA)

Evaluates how efficiently assets are utilized to generate profit.

## Asset Turnover



Measures the efficiency of asset utilization in generating revenue

# RETURN ON ASSETS

Return on Assets (ROA) is a measure of a company's profitability relative to its total assets. A higher ROA indicates better efficiency in utilizing assets to generate profits. Let's consider a construction business with the following financials:

- Net Income: \$200,000
- Total Assets: \$2,000,000

The ROA is calculated as:

$$\begin{aligned} \text{ROA} &= \frac{\text{Net Income}}{\text{Total Assets}} \\ \text{ROA} &= \frac{\$200,000}{\$2,000,000} = 0.10 \end{aligned}$$



## Return on Assets (ROA)

Evaluates how efficiently assets are utilized to generate profit.

In this example, the construction business has a healthy ROA of 10%. This means that for every dollar of assets, the company generates 10 cents in net income. A higher ROA is generally favorable, as it indicates that the company is effectively using its assets to generate profits. Keep in mind that what constitutes a "healthy" ROA can vary across industries, so it's essential to compare the ROA of the construction business with industry benchmarks for a more meaningful analysis.



# ASSET TURNOVER

Asset Turnover is a financial ratio that measures a company's efficiency in using its assets to generate revenue. A higher asset turnover ratio indicates better efficiency. Let's consider a construction business with the following financials:

- Net Sales (Revenue): \$1,500,000
- Average Total Assets: \$1,000,000

The Asset Turnover ratio is calculated as:

$$\text{Asset Turnover} = \frac{\text{Net Sales}}{\text{Average Total Assets}}$$
$$\text{Asset Turnover} = \frac{\$1,500,000}{\$1,000,000} = 1.5$$

## Asset Turnover



Measures the efficiency of asset utilization in generating revenue

In this example, the construction business has a healthy Asset Turnover ratio of 1.5. This means that, on average, the company generates \$1.50 in sales for every dollar of assets. A higher asset turnover ratio suggests that the company is efficiently utilizing its assets to generate revenue. As with other financial ratios, it's beneficial to compare the Asset Turnover ratio with industry benchmarks to assess the company's performance relative to its peers.

# DEBT MANAGEMENT METRICS



## Debt-to-Equity Ratio

Evaluates the company's reliance on debt for financing, indicating financial leverage.



## Interest Coverage Ratio

Assesses the company's ability to meet interest payments on outstanding debt.



# DEBT-TO-EQUITY

The Debt to Equity Ratio is a financial metric that indicates the proportion of a company's financing that comes from debt compared to equity. A lower debt to equity ratio is generally considered healthier, as it implies lower financial leverage and less risk. Let's consider a construction business with the following financials:

- Total Debt: \$500,000
- Shareholders' Equity: \$1,000,000

The Debt to Equity Ratio is calculated as:

$$\text{Debt to Equity Ratio} = \frac{\text{Total Debt}}{\text{Shareholders' Equity}}$$
$$\text{Debt to Equity Ratio} = \frac{\$500,000}{\$1,000,000} = 0.5$$



## Debt-to-Equity Ratio

Evaluates the company's reliance on debt for financing, indicating financial leverage.

In this example, the construction business has a healthy Asset Turnover ratio of 1.5. This means that, on average, the company generates \$1.50 in sales for every dollar of assets. A higher asset turnover ratio suggests that the company is efficiently utilizing its assets to generate revenue. As with other financial ratios, it's beneficial to compare the Asset Turnover ratio with industry benchmarks to assess the company's performance relative to its peers.

# INTEREST COVERAGE

The Interest Coverage Ratio is a financial metric that measures a company's ability to meet its interest payments on outstanding debt. A higher interest coverage ratio is generally considered healthier, indicating a better ability to handle interest obligations. Let's consider a construction business with the following financials:

- Earnings Before Interest and Taxes (EBIT): \$800,000
- Interest Expense: \$100,000

The Interest Coverage Ratio is calculated as:

$$\text{Interest Coverage Ratio} = \frac{\text{EBIT}}{\text{Interest Expense}}$$
$$\text{Interest Coverage Ratio} = \frac{\$800,000}{\$100,000} = 8$$



## Interest Coverage Ratio



Assesses the company's ability to meet interest payments on outstanding debt.

In this example, the construction business has a healthy Interest Coverage Ratio of 8. This means that the company's earnings before interest and taxes are eight times higher than its interest expense. A higher ratio provides a cushion against fluctuations in earnings and ensures the company can comfortably meet its interest obligations. A lower ratio may indicate a higher risk of default on interest payments. It's essential to consider industry benchmarks and the company's specific circumstances when evaluating the interest coverage ratio.



# PROJECT-SPECIFIC METRICS



## Cost Performance Index (CPI)

Measures the cost efficiency of a project by comparing the earned value to the actual cost.



## Schedule Performance Index (SPI)

Assesses the company's ability to meet interest payments on outstanding debt.



# PROJECT-SPECIFIC METRICS

## 1. Cost Performance Index (CPI):

- Budgeted Cost: \$1,000,000
- Actual Cost: \$950,000
- $$\text{CPI} = \frac{\text{Budgeted Cost}}{\text{Actual Cost}} = \frac{\$1,000,000}{\$950,000} \approx 1.05$$
- A CPI above 1 indicates that the project is under budget, which is considered healthy.

## 2. Schedule Performance Index (SPI):

- Planned Duration: 12 months
- Actual Duration: 10 months
- $$\text{SPI} = \frac{\text{Planned Duration}}{\text{Actual Duration}} = \frac{12 \text{ months}}{10 \text{ months}} = 1.2$$
- An SPI above 1 suggests that the project is ahead of schedule, reflecting good time management.

# PROJECT-SPECIFIC METRICS

## 3. Safety Performance:

- Number of Accidents: 0
- Adherence to Safety Regulations: 100%
- A perfect safety record with zero accidents and full compliance with safety regulations indicates a healthy safety performance.

## 4. Customer Satisfaction:

- Client Feedback Score: 9.5/10
- Meeting or exceeding client expectations, as reflected in high satisfaction scores, is a positive project-specific metric.

# PROJECT-SPECIFIC METRICS

## 5. Quality Control:

- Defects Identified: 5
- Total Inspections: 100
- Defect Rate =  $\frac{\text{Defects Identified}}{\text{Total Inspections}} = \frac{5}{100} = 0.05$
- A low defect rate indicates strong quality control, contributing to project success.

## 6. Profitability:

- Project Revenue: \$1,200,000
- Project Costs: \$950,000
- Profit Margin =  $\frac{\text{Project Revenue} - \text{Project Costs}}{\text{Project Revenue}} = \frac{\$1,200,000 - \$950,000}{\$1,200,000} \approx 0.208$

A healthy profit margin of 21% signifies good financial performance on the project.



# CASH FLOW METRICS



## Operating Cash Flow

Measures the company's ability to generate cash from its operational activities.

## Free Cash Flow



Evaluates the cash generated after deducting capital expenditures, indicating financial flexibility.



# OPERATING CASHFLOW

Let's consider an example of a construction business with the following financials for a specific period:

- Operating Revenue (Sales): \$2,000,000
- Operating Expenses (excluding depreciation): \$1,500,000
- Depreciation: \$100,000
- Changes in Working Capital (Net): \$50,000

The Operating Cash Flow is calculated as follows:

$$\text{Operating Cash Flow} = \text{Operating Revenue} - \text{Operating Expenses} + \text{Depreciation} + \text{Changes in Working Capital}$$

$$\text{Operating Cash Flow} = \$2,000,000 - \$1,500,000 + \$100,000 + \$50,000 = \$650,000$$



## Operating Cash Flow

Measures the company's ability to generate cash from its operational activities.

In this example, the construction business has a healthy Operating Cash Flow of \$650,000. This positive cash flow indicates that the company is generating sufficient cash from its core operations to cover its operating expenses, fund necessary investments, and potentially reduce debt. A positive operating cash flow is crucial for the financial health and sustainability of the business, allowing it to meet its obligations and pursue growth opportunities.

# FREE CASH FLOW

Free Cash Flow (FCF) is a key financial metric that measures a company's ability to generate cash after covering its operating and capital expenditures. Let's consider an example for a construction business with the following financials:

- **Operating Cash Flow:** \$800,000
- **Capital Expenditures (CapEx):** \$200,000

The Free Cash Flow is calculated as follows:

$\text{Free Cash Flow} = \text{Operating Cash Flow} - \text{Capital Expenditures}$

$\text{Free Cash Flow} = \$800,000 - \$200,000 = \$600,000$

## Free Cash Flow



Evaluates the cash generated after deducting capital expenditures, indicating financial flexibility.

In this example, the construction business has a healthy Free Cash Flow of \$600,000. This positive free cash flow indicates that after covering its operating expenses and necessary investments in capital assets, the company still has surplus cash. A positive free cash flow is valuable for the construction business as it provides flexibility for debt reduction, dividends to shareholders, or investments in additional growth opportunities. It reflects the company's financial strength and ability to generate cash beyond its essential operational and capital needs.



# BACKLOG METRICS

Backlog metrics in the construction industry typically refer to the value of contracts or projects that a company has secured and is yet to complete. A healthy backlog indicates a strong pipeline of work. Let's consider an example for a construction business:

- **Total Backlog Value:** \$50 million
- **Average Project Duration:** 12 months

The Backlog Turnover or Backlog-to-Revenue Ratio can be calculated as follows:

$$\text{Backlog Turnover} = \frac{\text{Annual Revenue}}{\text{Total Backlog Value}}$$

Assuming the construction business has an annual revenue of \$100 million:

$$\text{Backlog Turnover} = \frac{\$100,000,000}{\$50,000,000} = 2$$



## Backlog Ratio

Measures the volume of contracted work in comparison to the company's annual revenue, providing visibility into future projects.



# BACKLOG METRICS

In this example, the construction business has a Backlog Turnover ratio of 2, which means it has enough backlog to cover the next two years' worth of revenue based on the current annual revenue rate. This indicates a healthy backlog, providing stability and visibility for the company's future revenue streams.

Another useful metric is the Backlog-to-Capital Ratio, which assesses the relationship between the backlog and the company's capital or equity. For instance:

- **Total Equity (or Capital):** \$30 million

$$\text{Backlog-to-Capital Ratio} = \frac{\text{Total Backlog Value}}{\text{Total Equity (or Capital)}}$$

$$\text{Backlog-to-Capital Ratio} = \frac{\$50,000,000}{\$30,000,000}$$



## Backlog Ratio

Measures the volume of contracted work in comparison to the company's annual revenue, providing visibility into future projects.

In this example, the Backlog-to-Capital Ratio is approximately 1.67, indicating that the construction business has a backlog that is 1.67 times its total equity. This suggests a healthy balance between the value of secured projects and the financial capacity of the company.

A healthy backlog, along with effective management of project execution, can contribute to the sustained growth and success of a construction business.



# SOURCES OF FUNDING



# TRADITIONAL FINANCING OPTIONS



## CONSTRUCTION LOANS

- Purpose: Specifically designed for funding construction projects.
- Term: Short to medium-term, typically covering the duration of the project.
- Structure: Disbursed in stages based on project milestones.
- Collateral: Often secured by the project itself or other assets of the company.
- Interest Rates: Can be fixed or variable, reflecting market conditions.

## TERM LOANS

- Purpose: General financing needs, including equipment purchase, working capital, or expansion.
- Term: Medium to long-term, usually ranging from 5 to 20 years.
- Structure: Lump-sum amount provided upfront with regular repayments.
- Collateral: Assets of the company may be used as collateral.
- Interest Rates: Fixed or variable, depending on the terms negotiated.



# TRADITIONAL FINANCING OPTIONS



## LINES OF CREDIT

- Purpose: Flexible financing for short-term needs, providing a revolving credit line.
  - Term: Typically renewed annually.
  - Structure: Allows companies to borrow, repay, and re-borrow up to the credit limit.
  - Collateral: Collateral may be required based on the creditworthiness of the company.
  - Interest Rates: Charged only on the amount borrowed, providing cost-effective flexibility.

## COMMERCIAL REAL ESTATE LOANS

- Purpose: Acquiring, refinancing, or developing real estate properties.
- Term: Medium to long-term, depending on the project scope.
- Structure: Tailored to the unique needs of real estate projects, with disbursements based on project phases.
- Collateral: Secured by the real estate being financed.
- Interest Rates: Variable or fixed, reflecting market conditions.





# ALTERNATIVE FUNDING

Crowd funding, Private Equity





## CROWDFUNDING

Crowdfunding, a method where many contribute small amounts, is gaining popularity in construction. It's diverse, accessible, engages communities, and distributes risk. This model suits small to medium projects, community-driven initiatives, innovative concepts, preservation efforts, and real estate development. Crowdfunding offers an alternative financing avenue with potential market validation.

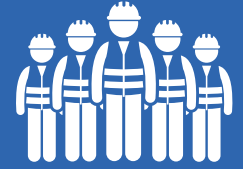


## PRIVATE EQUITY

Private equity plays a significant role in financing construction projects. It involves investment from private investors or firms, offering capital in exchange for ownership stakes. This funding model provides construction companies with resources to undertake projects, contributing to industry growth and innovation.



# BENEFITS AND CONSIDERATIONS OF EMBRACING ALTERNATIVE FUNDING METHODS



## Benefits

Diverse sources beyond loans, fostering innovation, mitigating risks, community support, and showcasing adaptability in changing markets.

## Considerations



Navigate unique regulatory aspects, communicate effectively, assess risks, conduct thorough research, and consider public perception for successful adoption of alternative funding methods.



# **GOVERNMENT GRANTS AND SUBSIDIES FOR CONSTRUCTION PROJECTS**







# OVERVIEW OF GOVERNMENT SUPPORT PROGRAMS

- Government support programs aim to boost construction industry growth.
- Offer financial assistance through grants and subsidies.
- Promote innovation, sustainability, and community development.
- Crucial for enhancing financial capacity and undertaking priority projects.
- Understanding and navigating these programs is essential for industry stakeholders.





# IDENTIFYING ELIGIBILITY CRITERIA FOR GRANTS & SUBSIDIES

- Clearly defined eligibility criteria are set for accessing grants and subsidies.
- Criteria may include project scope, size, location, and alignment with government priorities.
- Financial health, past performance, and adherence to regulations are often assessed.
- Demonstrating community impact, sustainability, and innovation may enhance eligibility.
- Thoroughly understanding and meeting these criteria is essential for successful grant or subsidy applications.



# RELATIONSHIP BUILDING WITH FINANCIAL INSTITUTIONS



# OVERVIEW OF LENDERS' EXPECTATIONS IN THE CONSTRUCTION INDUSTRY



Lenders in the construction industry expect a clear and detailed project proposal outlining scope, timeline, and budget.



Robust financial documentation, including credit history, cash flow projections, and collateral details, is crucial for lender confidence.



Adherence to project milestones, budget management, and effective communication are key expectations for successful collaboration with lenders.





# KEY CRITERIA CONSIDERED BY LENDERS IN FINANCING CONSTRUCTION PROJECTS



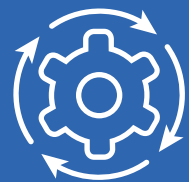
## Project Viability

- o Lenders assess the overall feasibility and viability of the construction project, considering its scope, potential returns, and market demand.

## Collateral and Security



- o Lenders often require collateral to secure the loan, which may include project assets, property, or other valuable guarantees to mitigate risk.



## Financial Stability

- o Lenders evaluate the financial health of the borrower, examining credit history, cash flow projections, and existing debts to gauge repayment capability.

## Experience and Track Record



- o Borrowers with a proven track record in successful project management and construction are viewed favorably by lenders.

# KEY CRITERIA CONSIDERED BY LENDERS IN FINANCING CONSTRUCTION PROJECTS



## Comprehensive Project Plan

- o A detailed project plan outlining timelines, budgets, and risk mitigation strategies is essential for lenders to assess the project's soundness.

## Legal and Regulatory Compliance



- o Ensuring that the project adheres to all legal and regulatory requirements is crucial for lenders to minimize potential risks.



## Market Conditions

- o Lenders consider current economic conditions, industry trends, and the local market's stability to gauge the risk associated with financing the construction project.

## Contractual Agreements



- o The terms and conditions of contractual agreements, including the relationships between various stakeholders, are carefully reviewed by lenders.



# KEY CRITERIA CONSIDERED BY LENDERS IN FINANCING CONSTRUCTION PROJECTS



## Exit Strategy

Lenders may assess the borrower's exit strategy, understanding how the loan will be repaid upon project completion or in the case of unforeseen circumstances

## Risk Mitigation Strategies



- o Borrowers presenting effective risk management plans demonstrate foresight and responsibility, which aligns with lenders' risk tolerance.

**THESE CRITERIA COLLECTIVELY HELP LENDERS MAKE INFORMED DECISIONS REGARDING FINANCING CONSTRUCTION PROJECTS, ENSURING A BALANCE BETWEEN RISK AND POTENTIAL RETURN ON INVESTMENT.**



# TIPS ON BUILDING STRONG PARTNERSHIPS WITH BANKS AND FINANCIAL INSTITUTIONS



**Transparent Financial Reporting:** Maintain clear and accurate financial records to demonstrate stability and facilitate trust with banks and financial institutions.



**Proactive Communication:** Establish open and consistent communication channels to keep lenders informed about project progress, challenges, and changes in a timely manner.



**Comprehensive Project Planning:** Present well-detailed project plans, including timelines, budgets, and risk mitigation strategies, to showcase the feasibility and viability of construction projects.



**Adherence to Agreements:** Uphold contractual agreements and meet financial obligations to build a reputation for reliability, enhancing trust and fostering long-term partnerships with banks and financial institutions.



# TIPS FOR EFFECTIVE COMMUNICATION WITH FINANCIAL INSTITUTIONS



**Clarity and Transparency:** Clearly articulate project details, financial needs, and potential risks transparently to foster understanding and build trust.



**Timely Updates:** Provide regular and timely updates on project progress, financial health, and any challenges, ensuring open communication channels with financial institutions.



**Comprehensive Documentation:** Furnish comprehensive and accurate financial documentation, including budgets, forecasts, and risk mitigation plans, to support the credibility of your construction business.



**Proactive Problem-Solving:** Anticipate potential issues, communicate them proactively, and present viable solutions to demonstrate a proactive and problem-solving approach.



# TIPS FOR EFFECTIVE COMMUNICATION WITH FINANCIAL INSTITUTIONS



**Relationship Building:** Foster strong relationships with key contacts within financial institutions, ensuring a personalized and collaborative approach to communication.



**Consistent Communication:** Maintain consistent and professional communication throughout the project lifecycle, showcasing reliability and commitment to financial partners.



**Adherence to Commitments:** Uphold commitments made during negotiations and agreements, reinforcing trust and reliability in the eyes of financial institutions.

*Effective communication is a cornerstone for successful collaboration between construction businesses and financial institutions, ensuring transparency, trust, and mutual understanding.*



# THANK YOU

SCAN ME!

