

the comprehensive energy bill to **act now** on climate

# Clean Energy Jobs Act

HB 3624 |  
SB2132



Illinois  
Clean Jobs  
Coalition

# Clean Energy Jobs Act

Clean Energy. Lower Bills. Equity and Opportunity.



Equitable Workforce & Business Development



Energy Access & Solar for All



Renewable Energy



Energy Efficiency



Carbon-Free Power



Capacity Market Reform



Electric Transportation

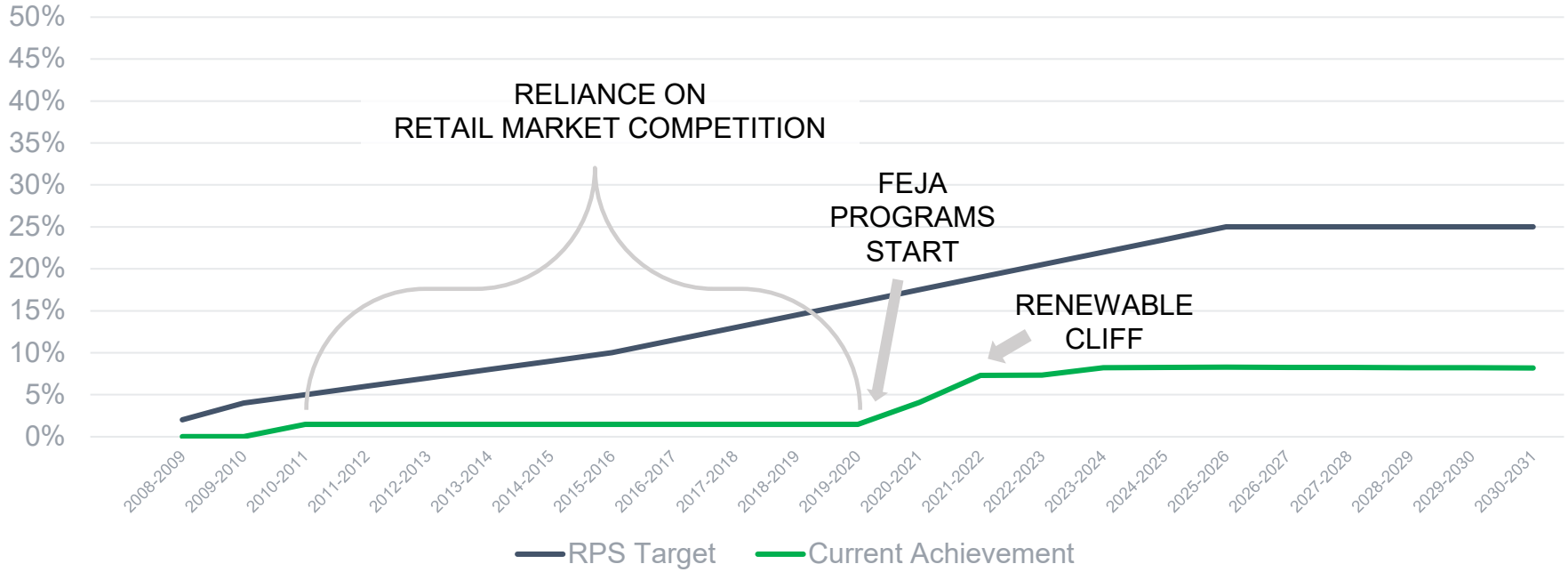


Support for Fossil Fuel Workers & Communities



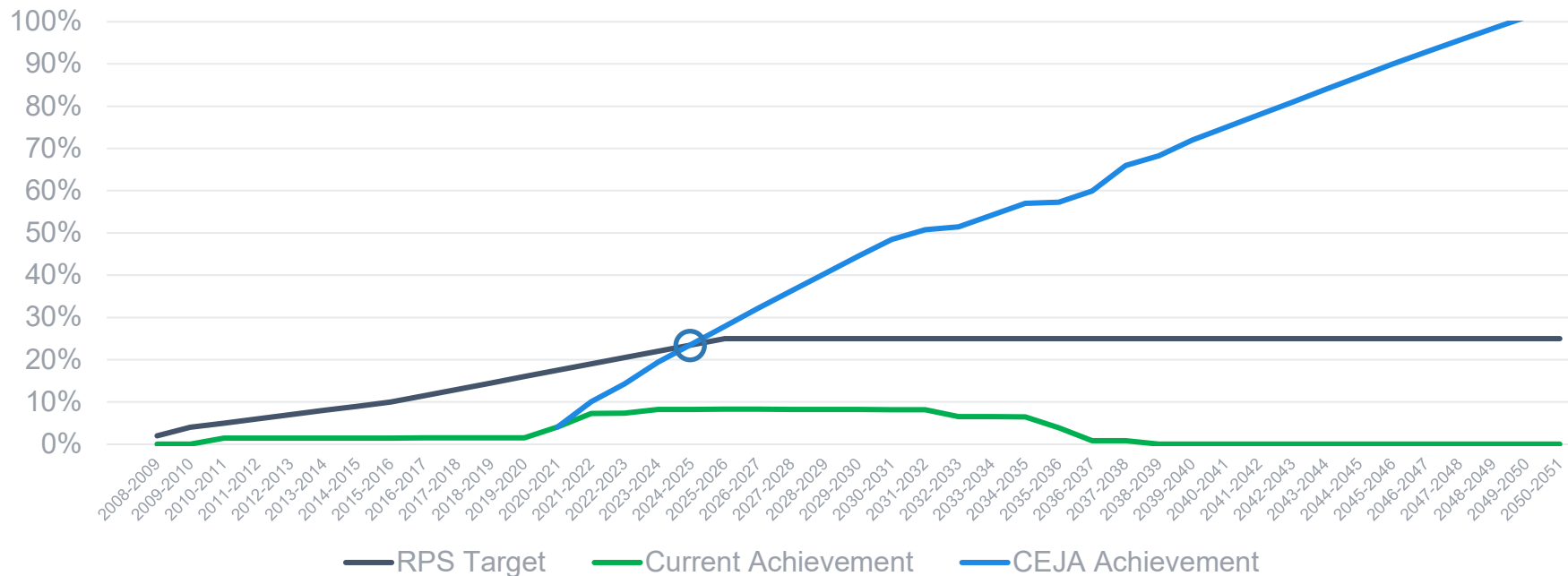
Utility Accountability

# THE CLEAN ENERGY JOBS ACT



Renewable Energy – Where we are now.

# THE CLEAN ENERGY JOBS ACT

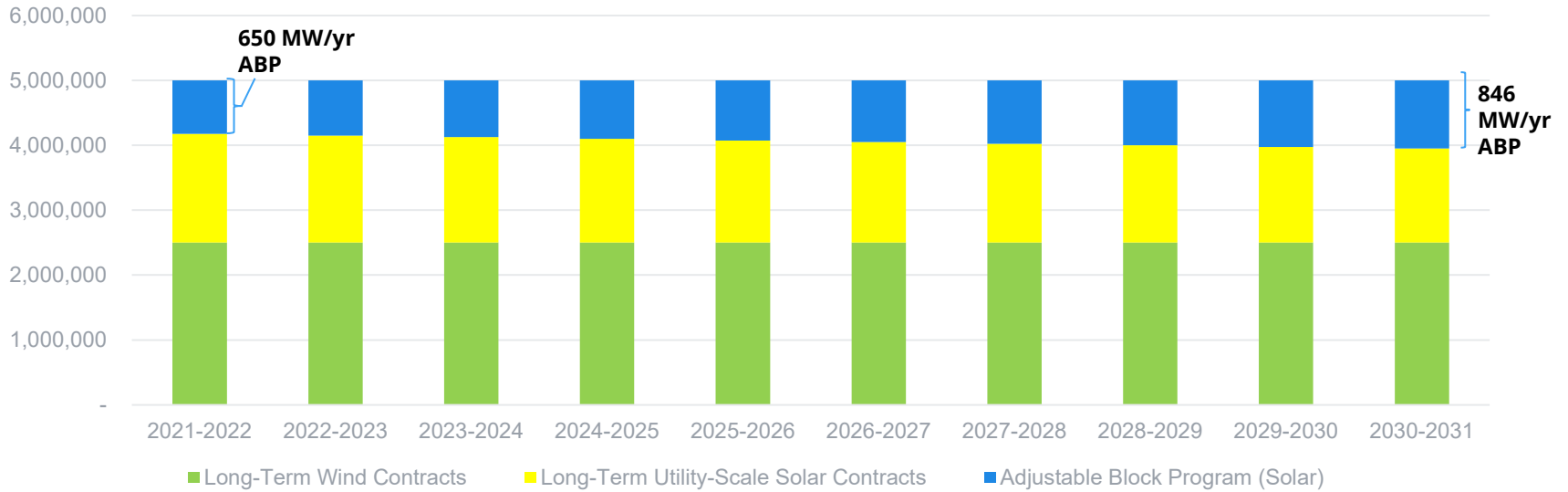


Renewable Energy – Where we need to go.

# THE CLEAN ENERGY JOBS ACT

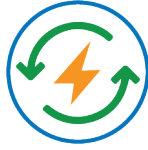


**BY 2030:** 50 million MWh new renewables. 17,000 MW New Solar. 6,300 MW New Wind.



CEJA: Annual new renewable development

# THE CLEAN ENERGY JOBS ACT



Unfortunately, Illinois can't simply direct utilities to enter into PPAs, like other states. So we have to be creative.

## Fixed REC Contracts

What we do today. 15-year contract at fixed price for RECs only.

**Challenge:** Depends on a developer's ability to get PPA elsewhere.

## Variable REC Contracts

Developers bid a strike price, and get paid a price for RECs indexed to wholesale energy prices.

## Optional REC+Capacity Contracts

Developers bid a strike price, and get paid a price for Capacity and RECs indexed to wholesale energy prices.

## Residential (small)

Single upfront REC payment for 15 years of RECs. Same as today.

## Commercial & Industrial (Large)

Payment over 4-5 years for 15 years of RECs. CEJA moves largest (>500kW) projects to 15 years of payments.

## Community Solar

CEJA moves mass market community solar to 15 years of payments. Community-organized projects keep 4-5 year payout. All through RFP.



UTILITY-SCALE WIND



UTILITY-SCALE SOLAR



DISTRIBUTED SOLAR

# THE CLEAN ENERGY JOBS ACT



## Energy Equity

**Equity Points System.** Creates a new equity points system to be used in IPA's procurement, preferencing companies and projects through points awarded on RFPs for the following equity actions:

1. Have a higher percentages of people of color employed, paid prevailing wage
2. Have a higher percentage of graduates from Clean Jobs Workforce Hubs
3. Are being built by a Disadvantaged Business Enterprise
4. Have a higher percentage of minority-owned or women-owned businesses as subcontractors or vendors, and pay prevailing wage
5. Are entities that participated in the Expanding Clean Energy Entrepreneurship and Contractor Incubator
6. Have executed a Community Benefits Agreement that includes prevailing wage
7. Are a Small Business
8. Have entered into a labor peace agreement

# THE CLEAN ENERGY JOBS ACT



## Ensuring Equity in Community Solar

**Community-Owned and Organized Projects.** As part of IPA's procurement of Community Solar, preferences projects that are organized by communities, and requiring 25% of all Community Solar projects to be community-based, based on

- Include community ownership
- Achieve higher equity points
- Provide additional community benefit
- Ensure meaningful involvement in project organization and development by community orgs, entities, members
- Increase the geographic diversity of projects
- Are also Brownfield sites
- Ensure engagement in project operations and management by community orgs, entities, members
- Serve only local subscribers



# THE CLEAN ENERGY JOBS ACT



## Solar for All Updates

- CEJA triples the size of the Illinois Solar for All program, creating a total program budget of **\$50 million / yr** paid through the RPS budget.
- Addresses concerns with existing Solar for All implementation by creating **a separate multi-family housing sub-program** and empowering the Program Administrator to help find and qualify potential Solar for All customers.
- Builds critically important connections between existing low-income energy efficiency programs, deferred maintenance remediation initiatives, and the Solar for All program. This will help improve wrap-around services that combine multiple programs.
- Directs the IPA to create Illinois Solar for All sub-programs that prioritize projects that are majority-owned by low-income residents and that build a path to renewable energy system ownership for low-income renters and homeowners.

# THE CLEAN ENERGY JOBS ACT



## Distributed Generation

**Interconnection Reform.** Directs new rulemaking and working group to increase transparency on costs, queues and disputes for connecting renewables.

**Distribution System Planning.** Requires utilities to provide transparency into system planning and spending, hosting capacity, NWA, and develops Integrated Grid Planning process.

## Utility Scale + Transmission

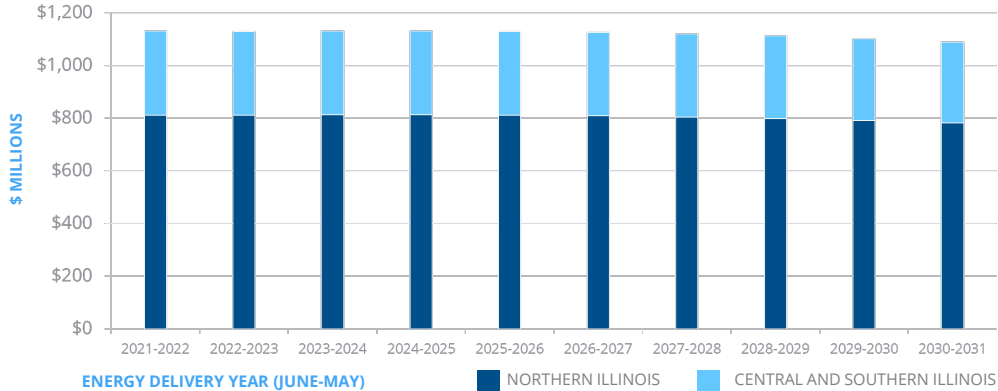
### Renewable Energy Access Plan (REAP)

Modeled on Texas' "Competitive Renewable Energy Plan Zones," directs the Illinois Commerce Commission to develop a forward-looking transmission plan, including the designation of Renewable Energy Access Zones, that enable more renewable energy interconnection within Illinois, and better coordination with RTOs on connections to other regions.

# Rooftop and Community Solar

Rooftop and community solar make up 33-42% of the overall renewable energy portfolio in CEJA. The 25-year investments receive incentives from the Illinois Power Agency for a portion of the cost, but require significant up-front capital investment by developers.

ANNUAL NEW PRIVATE INVESTMENT IN ROOFTOP/COMMUNITY SOLAR (CAPEX + OPEX)



**\$3.1 BILLION**

10-YEAR TOTAL PRIVATE INVESTMENT IN ROOFTOP SOLAR IN CENTRAL AND SOUTHERN ILLINOIS.

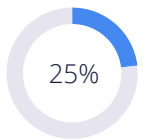
**\$8.0 BILLION**

10-YEAR TOTAL PRIVATE INVESTMENT IN ROOFTOP SOLAR IN NORTHERN ILLINOIS.



2019 PROJECTS IN DEVELOPMENT

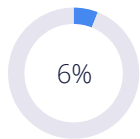
## LOCAL EXPENSES AND INVESTMENT



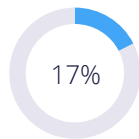
SOLAR PANELS



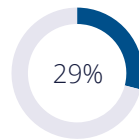
ELECTRICAL EQUIPMENT



RACKING/ STRUCTURAL

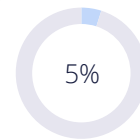


CONTRACTOR LABOR



DEVELOPER COSTS/ LABOR

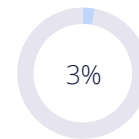
## STATE AND LOCAL TAX REVENUE



STATE SALES & INCOME TAXES

**\$528M**

10-YEAR TOTAL



LOCAL SALES & PROPERTY TAXES

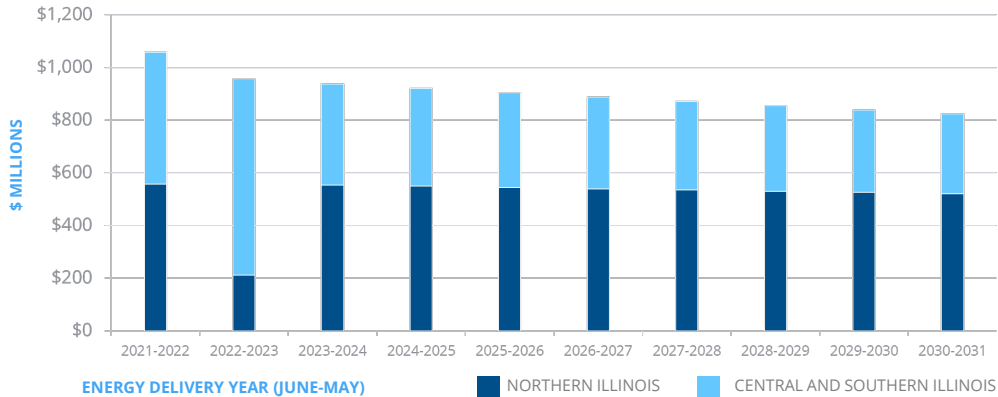
**\$334M**

10-YEAR TOTAL

# Large-Scale Solar

The goals in CEJA will create an opportunity for close to 9,500 MW of large-scale, or utility-scale, solar projects to be built by 2030, enough to power 2 million homes. The 25-year investments compete for 15-year contracts from the Illinois Power Agency.

ANNUAL NEW PRIVATE INVESTMENT IN LARGE-SCALE SOLAR (CAPEX + OPEX)

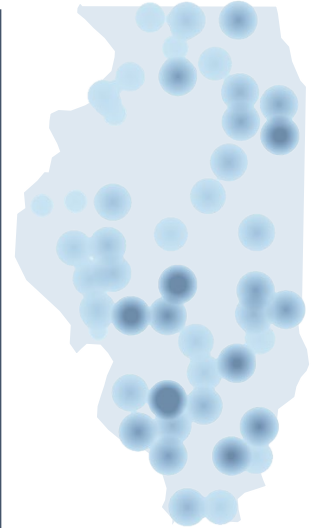


**\$4.0 BILLION**

10-YEAR TOTAL PRIVATE INVESTMENT IN LARGE-SCALE SOLAR IN **CENTRAL AND SOUTHERN ILLINOIS.**

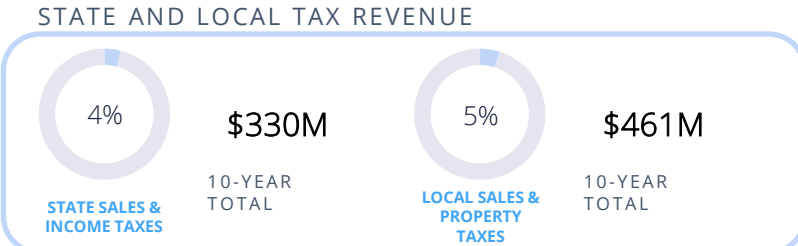
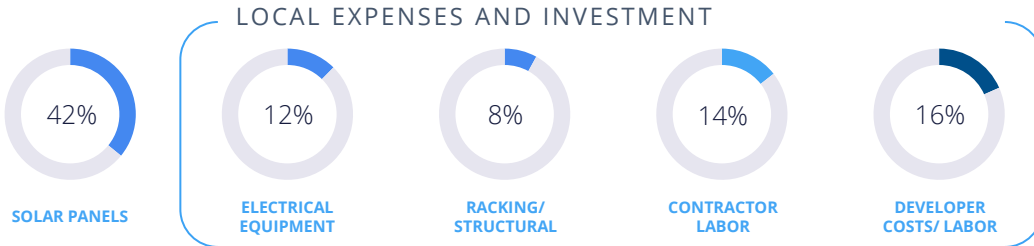
**\$5.0 BILLION**

10-YEAR TOTAL PRIVATE INVESTMENT IN LARGE-SCALE SOLAR IN **NORTHERN ILLINOIS.**



PROJECTS IN DEVELOPMENT

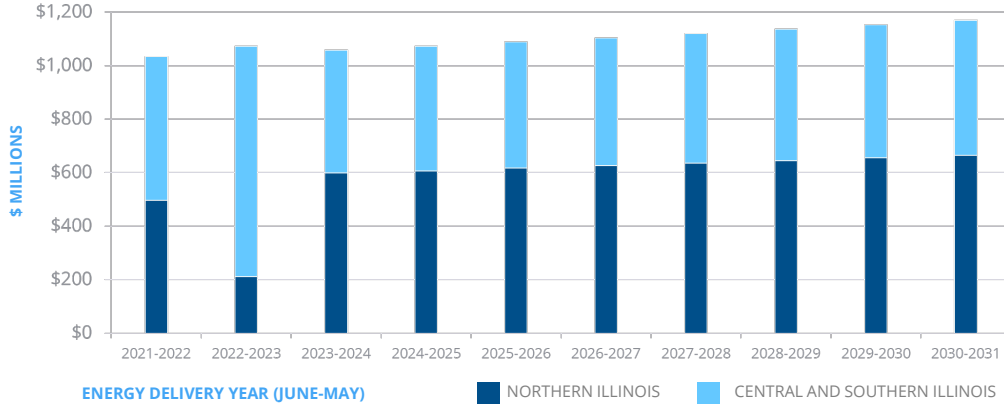
CAPEX + OPEX



# Wind Power

The goals in CEJA will create an opportunity for close to 6,300 MW of large-scale, or utility-scale, wind projects to be built by 2030, enough to power 3 million homes. The 25-year investments compete for 15-year contracts from the Illinois Power Agency.

ANNUAL NEW PRIVATE INVESTMENT IN WIND POWER (CAPEX + OPEX)

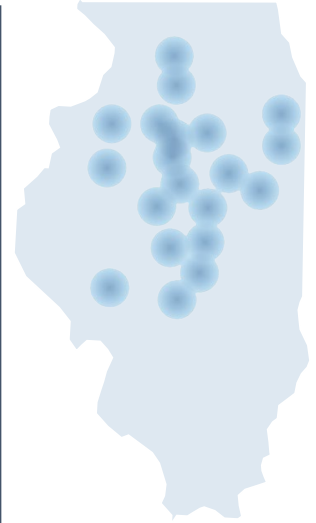


**\$5.2 BILLION**

10-YEAR TOTAL PRIVATE INVESTMENT IN WIND POWER IN **CENTRAL AND SOUTHERN ILLINOIS**.

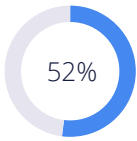
**\$5.7 BILLION**

10-YEAR TOTAL PRIVATE INVESTMENT IN WIND POWER IN **NORTHERN ILLINOIS**.

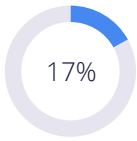


PROJECTS IN DEVELOPMENT

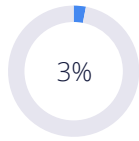
## LOCAL EXPENSES AND INVESTMENT



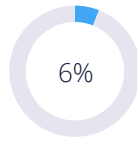
TURBINE



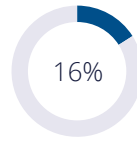
ELECTRICAL EQUIPMENT



FOUNDATION

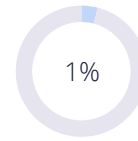


CONTRACTOR LABOR



DEVELOPER COSTS/ LABOR

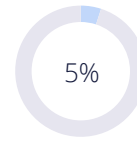
## STATE AND LOCAL TAX REVENUE



STATE SALES & INCOME TAXES

**\$83M**

10-YEAR TOTAL



LOCAL SALES & PROPERTY TAXES

**\$544M**

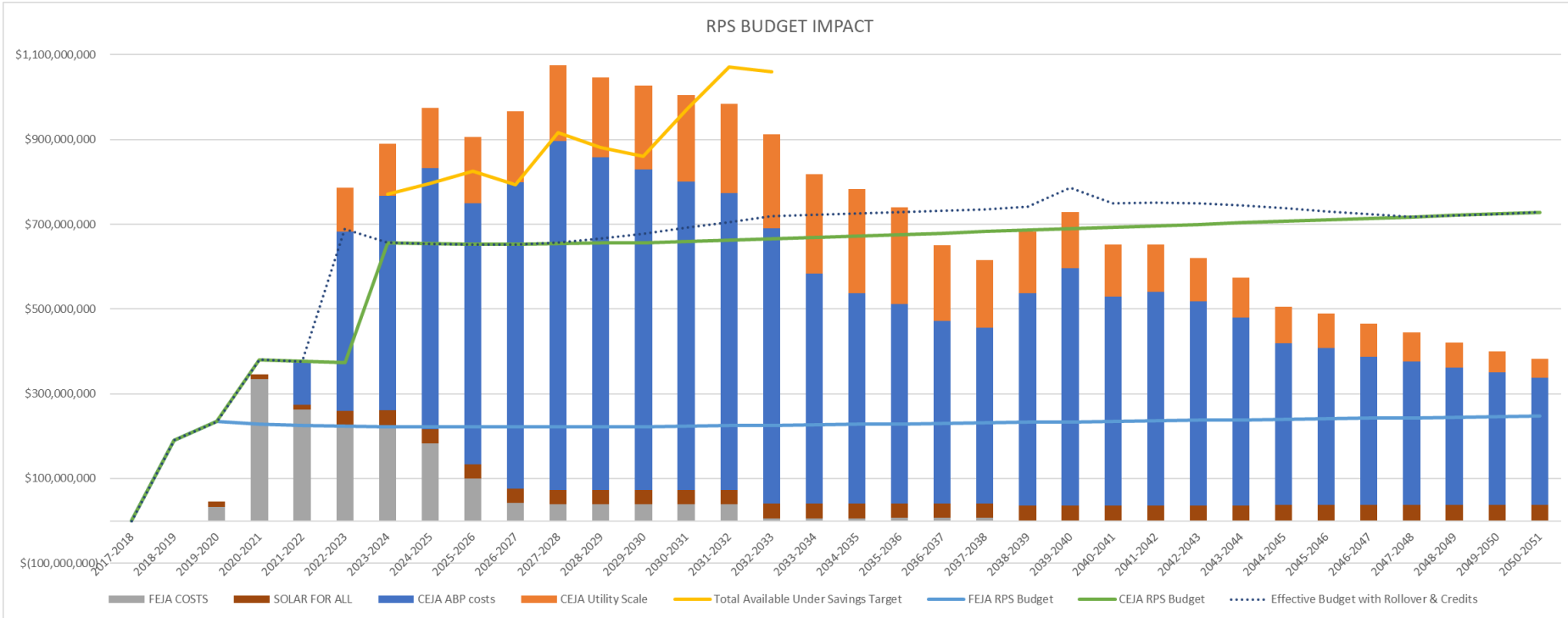
10-YEAR TOTAL

CAPEX + OPEX

# THE CLEAN ENERGY JOBS ACT



Renewables Expansion **Without** Adjustable Block Program Contract Changes



# THE CLEAN ENERGY JOBS ACT



CEJA: **With** Adjustable Block Program Changes. Allows us to spread budget impact over time.

