

# Just Transition Working Group

## Meeting #10

August 5, 2021  
10:00am -12:00 pm



Department  
of Labor



NYSERDA



Climate Action  
Council

# Just Transition Working Group (JTWG)

## Meeting #10 Agenda

- 1. Introduction / Roll Call**
- 2. Member Updates**
- 3. Power Plant Site Reuse Planning Update**
- 4. Guest Report: Brownfield Opportunity Area (BOA) program**
- 5. Presentation: Jobs Study Update**
- 6. Workforce Training and Development Update: New Funding & Program Initiatives**
- 7. Other Updates**
- 8. Next Steps**

# Member Updates

Recent highlights from Working Group Members

# **Power Plant Site Reuse Planning Update**

# Power Plant Site Reuse Planning Services and Technical Assistance

**New program launched on August 3, will offer planning support for power plant closure**

- > **Early 2020:** Announced NYSERDA would make available **\$5 million** in funding to support power plant host communities around site planning and reuse
- > **Summer 2020:** NYSERDA released [Just Transition Request for Information \(RFI\) for Site Reuse Planning Resources](#), soliciting feedback and information on retired or soon to be retired fossil fuel facility redevelopment opportunities and needs
- > **Fall 2020:** NYSERDA released [Request for Proposals \(RFP\) 4563 “Just Transition Technical Assistance and Planning Services”](#) to qualify contractors / consultants to conduct site reuse planning studies and develop statewide site reuse toolkit:
- > **Summer 2021 (August 3 release):** NYSERDA launched [Program Opportunity Notice \(PON\) 4563](#) allowing communities to submit applications to receive funding and assistance from qualified contractors ([8/3 press release](#))
  - Site reuse studies (\$4.75m) – up to \$150,000 available in technical assistance per applicant, plus bonus funding for applications affecting local disadvantaged communities
  - Site reuse toolkit (\$250K) – resource to be developed to assist any/all communities statewide

# Power Plant Site Reuse Planning Services and Technical Assistance

## How planning support services will be provided

- > **Who will be providing support:** 10 Site Reuse Planning Contractor firms have been [selected](#)
  - *Bergmann (Statewide Toolkit); MRB Group; H2M; AKRF; TRC; Arcadis; LiRo Engineers; LaBella Associates*
- > **What services they will be providing:**
  - Evaluation of Existing Site, Economic Analysis, Stakeholder Input, Alternative Reuse Plans, Demolition and Abatement Issues, Public Health Impacts, and Development of Recommended Actions & Timeline
- > **Who is eligible:**
  - Localities that are home to a fossil-fuel power plant that has been decommissioned within the last five (5) years, is currently being decommissioned, or has confirmed its future plans to retire and deactivate by a certain date.
  - Applicants that are home to other operating fossil fuel facilities that commenced operations prior to 1990 will also be considered
- > **What lessons we have incorporated:**
  - Leverage existing work that has been done: for applicants who have completed basic planning tasks through prior studies, technical assistance will be available to support more advanced pre-development work to help achieve deeper and broader community revitalization goals (e.g., infrastructure, public engagement and marketing, workforce development, etc.)

# **Guest Report: Brownfields Opportunity Area (BOA) program**

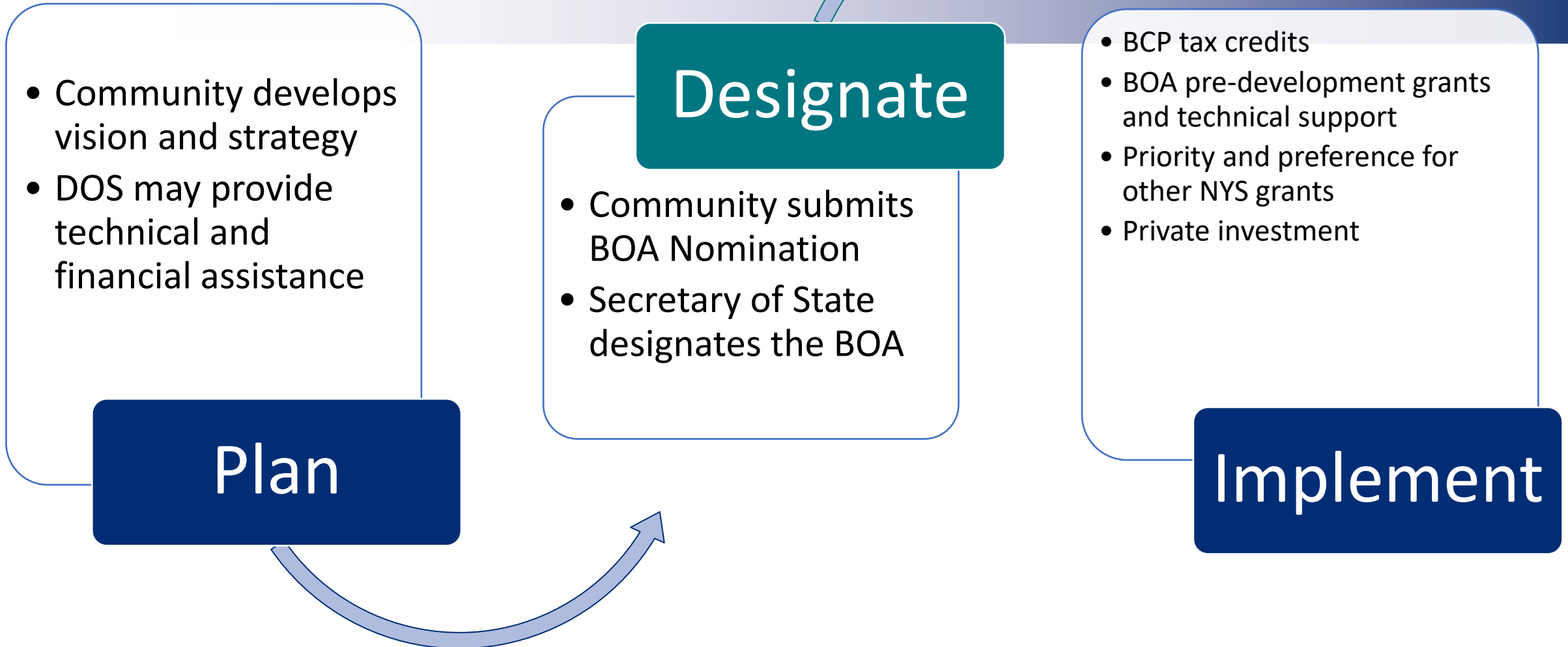


# The BOA program empowers communities to plan for future development of contaminated sites and surrounding neighborhoods

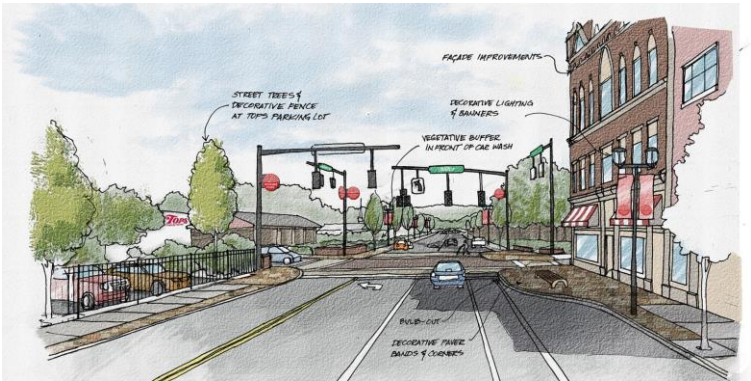




# BOA Process



# BOA Process: Nomination Plan





# BOA Process: Nomination Plan -> Designation -> Implementation

- Access to BOA pre-development and site assessment grants
- Priority and preference for future state grants
- “BOA bump-up” brownfield remediation tax credits

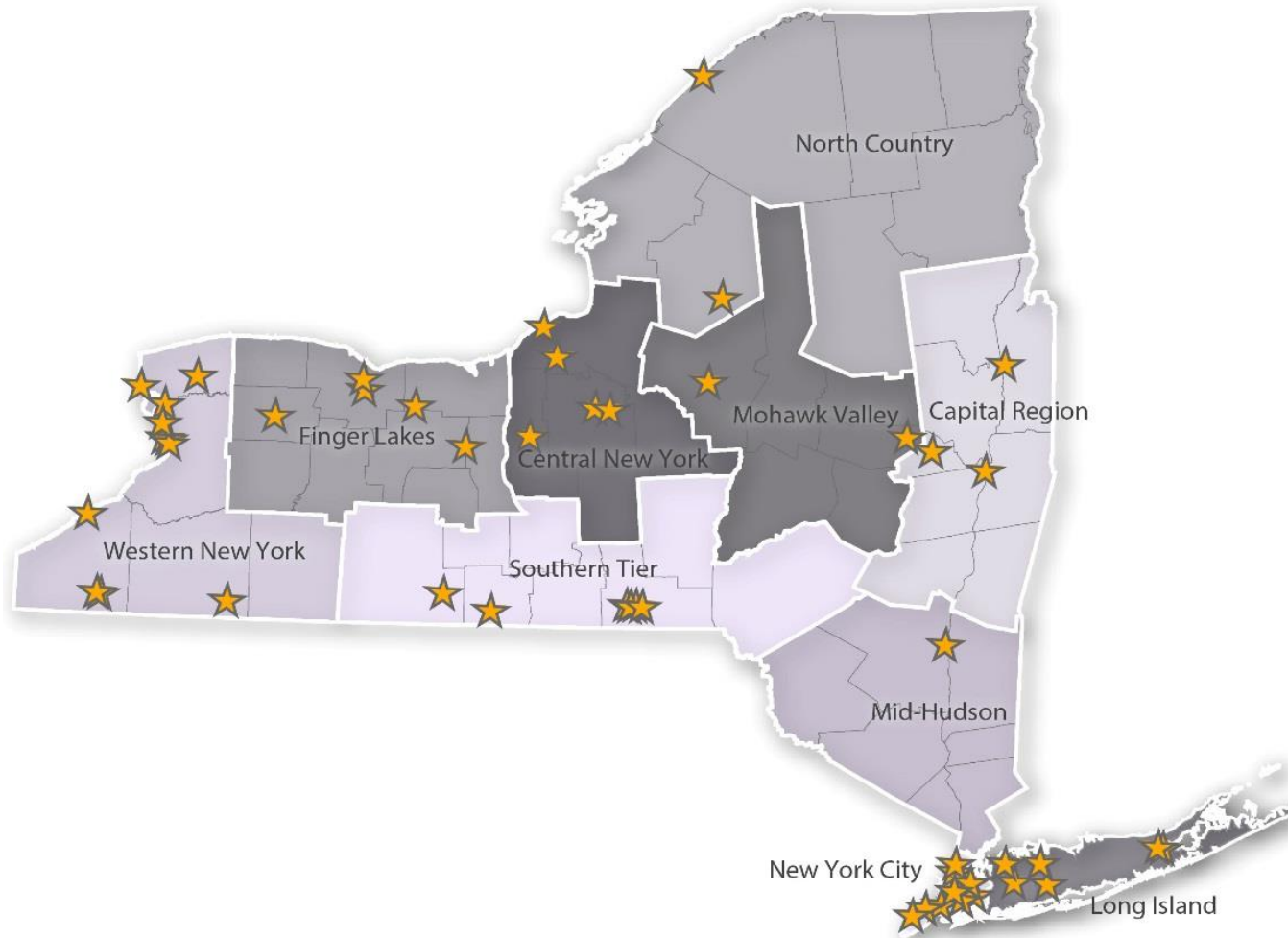


# BOA Process:

## Nomination Plan -> Designation -> Implementation



# BOA Outcomes



## 61 designated BOAs

*52 are in disadvantaged areas as defined by the CJWG*

*Over 50,000 acres and more than 5,000 brownfields*

## 15 redevelopment projects eligible for BOA bump-up tax credits

*Over \$550 million private investment*

*2,400,000 sf commercial space*

*1,600 residential units, ~80% affordable*

*More than 600 jobs*

*Over 12MW solar*

# Harlem River BOA, Bronx



Sponsor: Bronx Center for Environmental Quality (BCEQ)

Size: 200+ acres

Potential brownfields: 63

Description: Narrow swath of land extending from West 149th Street in the South Bronx northward along the waterfront and curving to the west where the Harlem River meets the Hudson River.

Objectives: Development of a dynamic district of waterfront parks connected by the Harlem River Greenway and linked to the larger NYC and Putnam greenway systems; strategic connections along the waterfront and to the upland communities; and environmental remediation and restoration of lands within the study area.

Designated: August 2016





# Harlem River BOA, Bronx



Source: Bronxworks



Source: NYC EDC



Source: Bronx Point



# Northwest Quadrant BOA, City of Olean



Sponsor: City of Olean

Size: 904 acres

Potential brownfields: 48

Description: Once home to heavy industry, the NW Quadrant BOA is characterized by 48 vacant and underutilized potential brownfields, including Exxon/Mobil legacy properties, with excellent rail and highway access. Retail and residential uses also comprise a portion of the downtown core.

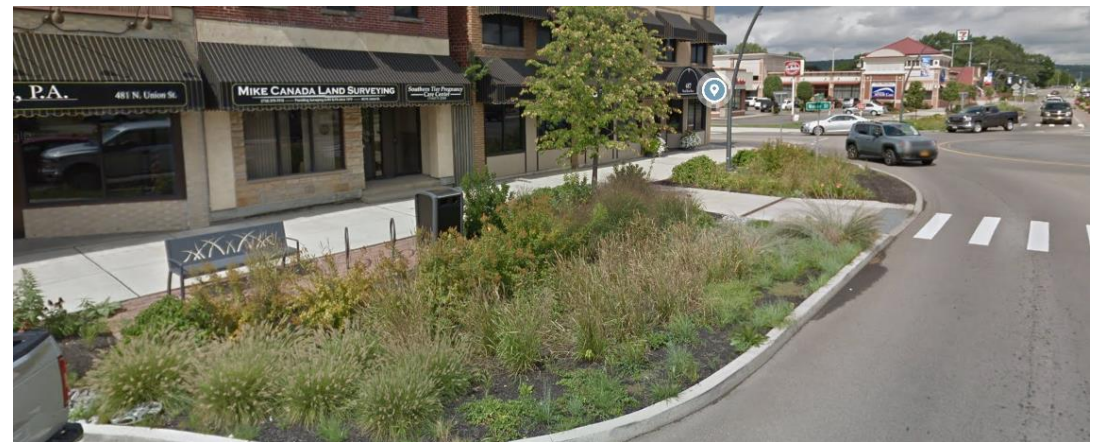


Objectives: New employment opportunities; re-develop brownfield sites for their highest and best use as determined by their location, market conditions and community input; establish a regulatory framework consistent with NYS Smart Growth principles; stabilize neighborhoods in the study area by investing in infrastructure and housing; create a safe, connected street system that supports non-motorized transportation to employment, downtown and recreational resources.

Designated: November 2015

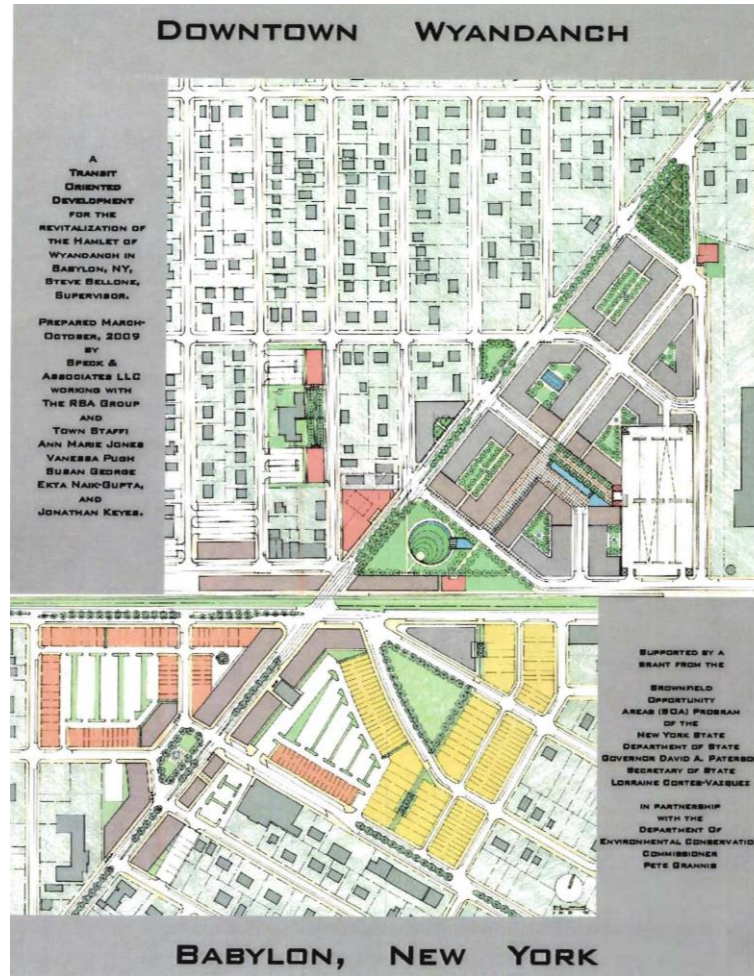


# Northwest Quadrant BOA, City of Olean





# Wyandanch Rising BOA



Sponsor: Town of Babylon

Size: 135 acres

Potential brownfields: 250

Description: Centered on LIRR station, the area was characterized by parking lots, degraded or non-existent infrastructure, high commercial vacancy and a lack of community amenities.

Objectives: Transit-oriented development following smart-growth principles, improved urban design, improved traffic operations; multi-family, mixed-income housing; uniform streetscapes; organized traffic patterns; consolidated parking; a new intermodal transit facility.

Designated: April 2015



# Wyandanch Rising BOA



# Questions and Discussion





## **JTWG JOBS STUDY: August Update**



**NY Just Transition  
Working Group:  
Jobs Study**

# **Presentation Overview**

## **August 5<sup>th</sup> – JTWG Jobs Update**

### **I. Background & Work Plan**

1. Project Objectives
2. Phases
3. Literature Review

### **II. Methodology & Structure**

1. Sectors & Sub-Sectors
2. Modeling Framework
3. Test Runs (Using Pathways Scenarios)

### **III. Next Steps**

1. Initial Employment Outputs (Using Draft One & Two Integration Scenarios)
2. Secondary more granular employment outputs
3. Workforce Analysis

## **Project Objectives**

### **Project Objectives**

- Develop framework to estimate the number of jobs created and lost due to transition from status quo to a low to no carbon economy.
- Measure & describe the employment impacts by industry & occupation for each transition scenario.
- Examine the workforce implications associated with each transition scenario.

## **Project Phases**

### **Project Phases**





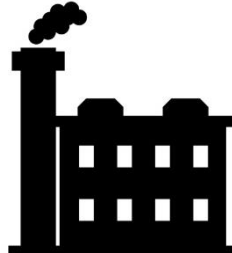
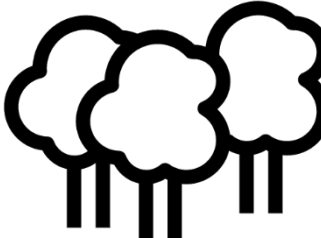




1. Develop structure & framework of the employment impact model & complete the literature review (January – April)
2. Produce employment model outputs based on Integration Scenarios (May – November)
3. Examine the workforce implications associated with model outputs & scenarios (September – December)

## Literature Review

### What We Learned

- (1) Sectors are used almost universally to evaluate employment impacts.
- (2) Occupational categories are much less consistent in their use.
- (3) Existing studies used for four general methods for generating employment impacts.
- (4) Most research is focused on overall employment changes, not the type or quality of jobs that were changing.

# 1. Sectors are used almost universally used to evaluate employment impacts.

<b>Universal Sectors</b>	 <b>Energy/Electricity</b>	 <b>Buildings</b>	 <b>Transportation</b>	
<b>Secondary Sectors</b>	 <b>Waste</b>	 <b>Industry (incl. Fuels)</b>	 <b>Working Lands</b>	
<b>Other Sectors</b>	 <b>Water</b>	 <b>Option Creation</b>	 <b>District Heating</b>	 <b>Hydrogen</b>



# **Sectors and Sub-Sectors**

## **Priority Sectors (3.0)**

### **I. Energy Supply**

1. Electricity (12 sub-sectors)
2. Fuels (5 sub-sectors)

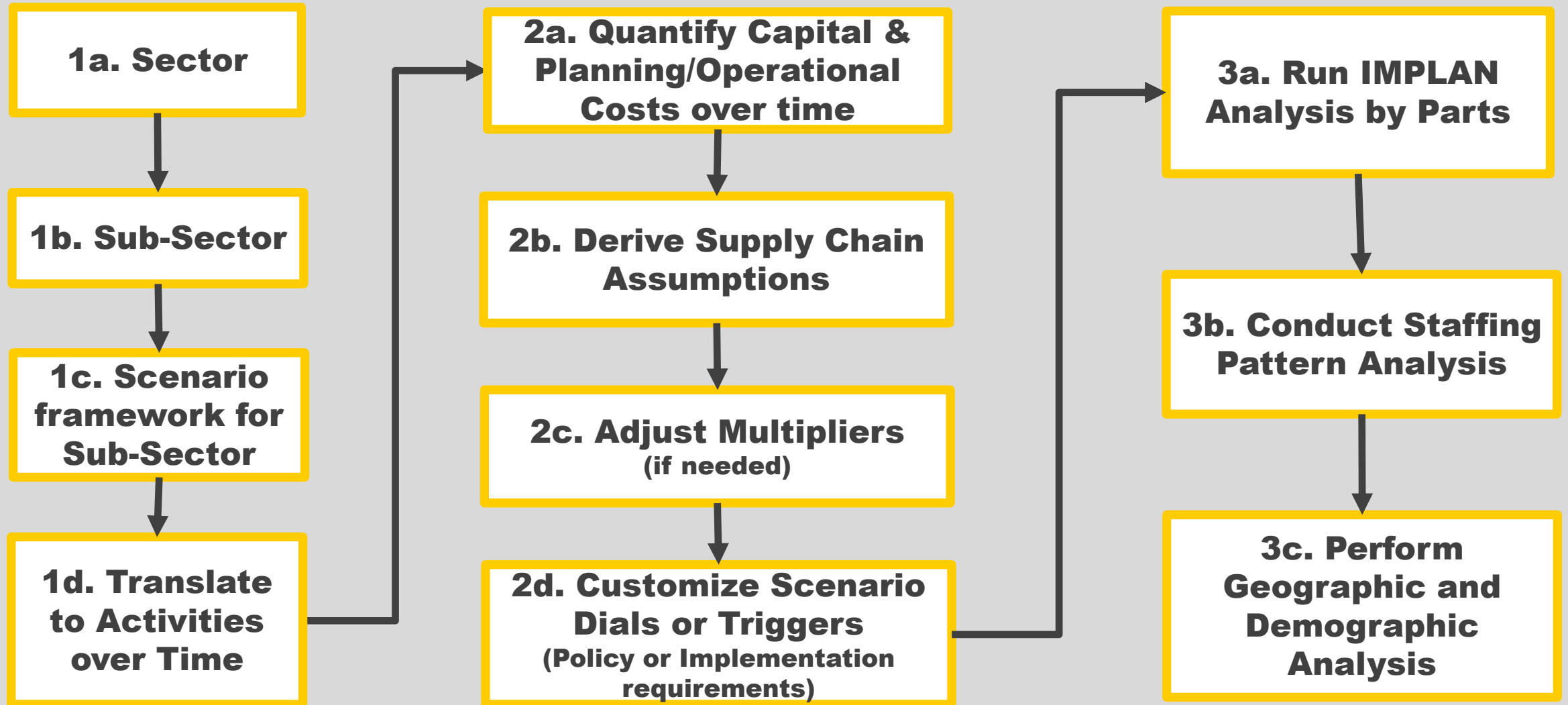
### **II. Energy Demand**

1. Buildings (9 sub-sectors)
2. Transportation (9 sub-sectors)
3. Industry

### **III. Non-Energy**

1. Waste
2. Negative emission activities
3. Agriculture (Examined in another NYSERDA study)

# Modeling Framework Overview



**Scenario 1  
Distributed PV &  
Utility- Scale Solar**

**Scenario 1:  
Limited Non-  
Energy  
Summary**

Limited Non-Energy (LNE) scenario is taken from E3's Pathways Analysis and accelerates electrification and early retirements of older & less efficient fossil vehicles & buildings. Also assumes more use of biofuels.

**Determine overall capacity additions**

E3's RESOLVE model: *Limited Non-Energy* (LNE) scenario



**Split utility and distributed solar**

Total utility v. distributed capital costs (\$/kW-ac) in CLCPA Base Case (E3) divided by combined annual sum, from 2020-2050



**Apply multipliers**

input annual MW additions into Inclusive Economics proprietary solar per MW multipliers



**Report**

jobs created through additions (per 5 years) with 2019 as base employment

**Scenario 1  
Distributed PV &  
Utility-Scale Solar**

**Scenario 1:  
Limited Non-  
Energy  
Scenario**

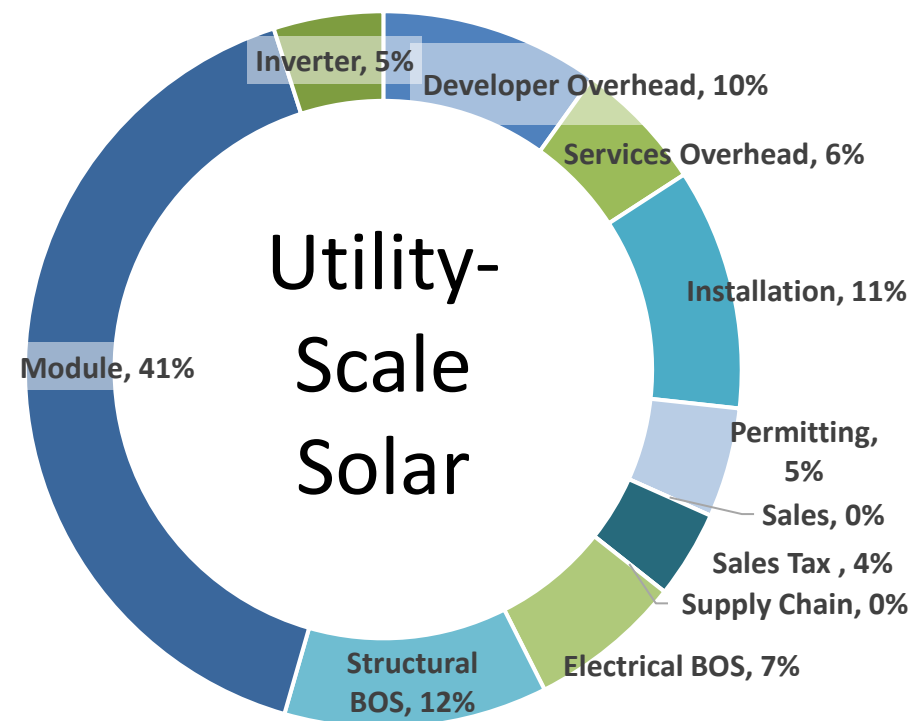
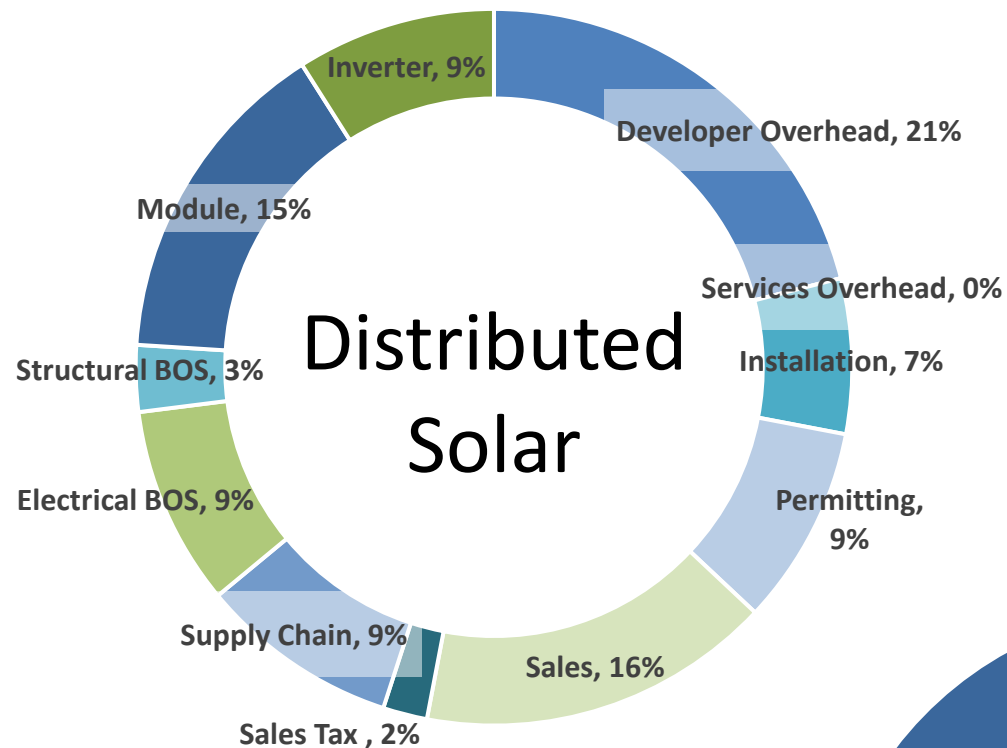
**Key  
Assumptions**

1. **2019 Base Employment:** 2019 NYCEIR solar employment split into Value Chain (VC) using Renewable Energy Generation (REG) value chain employment distribution
2. **Utility and Distributed employment split by VC:** USEER 2020 data (11.7% Utility, 88.3% distributed)
  - Installation & Utility VC (19.4%) applied only to utility share
3. Dials have not been used for labor standards or domestic content
4. Model currently assumes 10% in-state manufacturing

## Initial Model Inputs

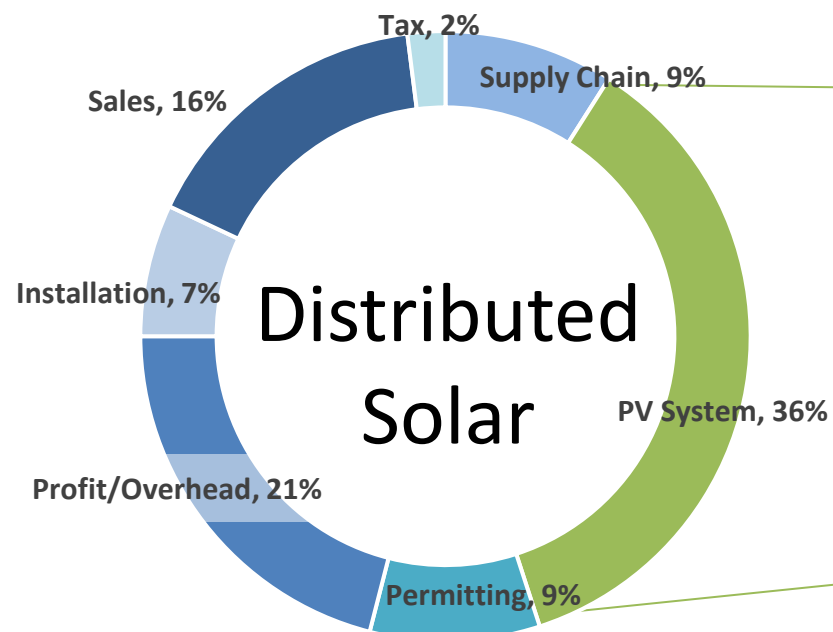
# NREL Technical Input Costs Distributed and Utility PV

**DRAFT & PRELIMINARY**

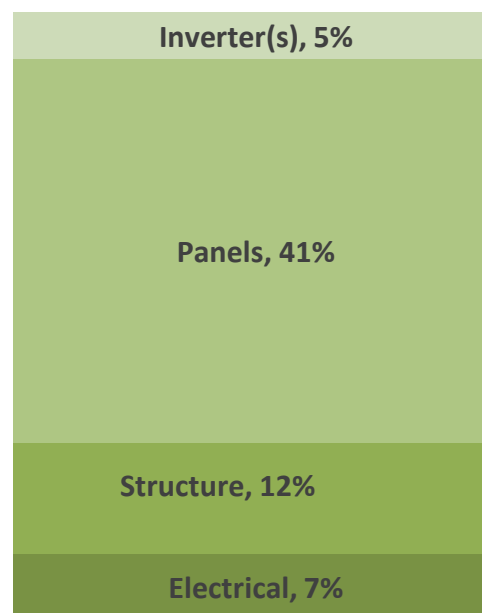
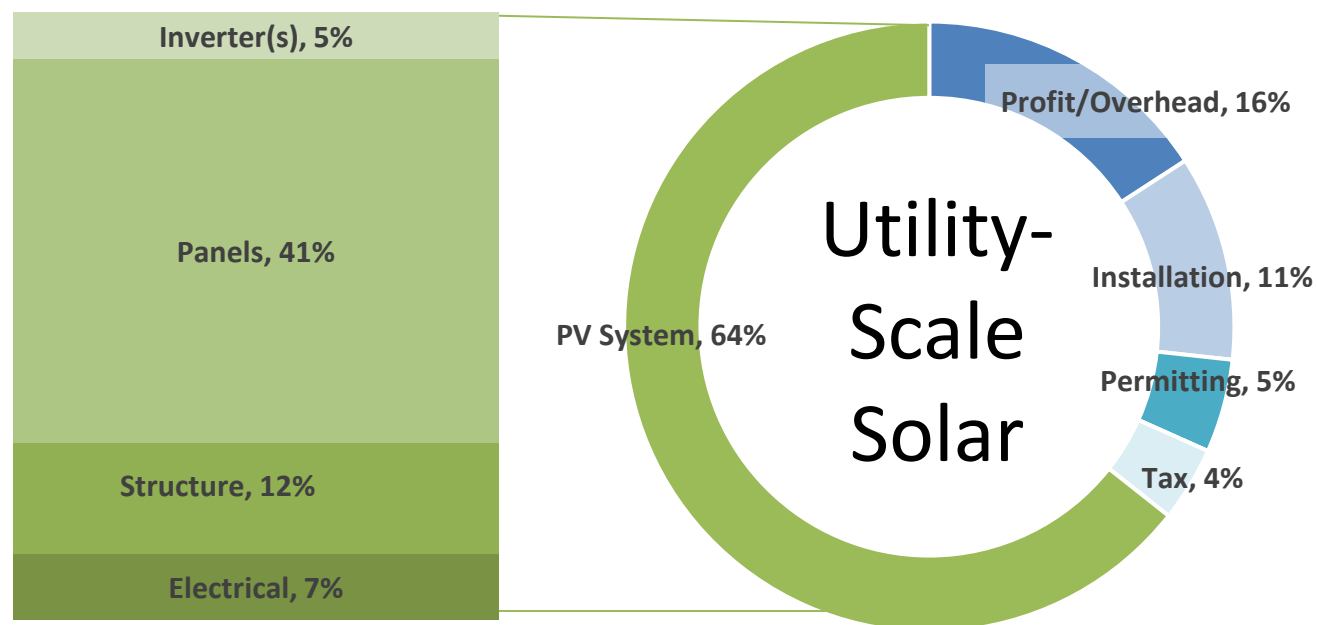
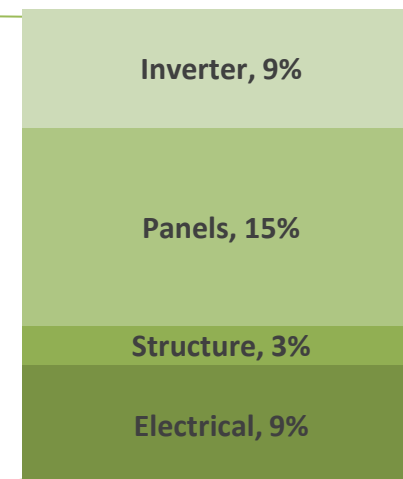


## Initial Model Inputs

# NREL Technical Input Costs Distributed and Utility PV



## DRAFT & PRELIMINARY

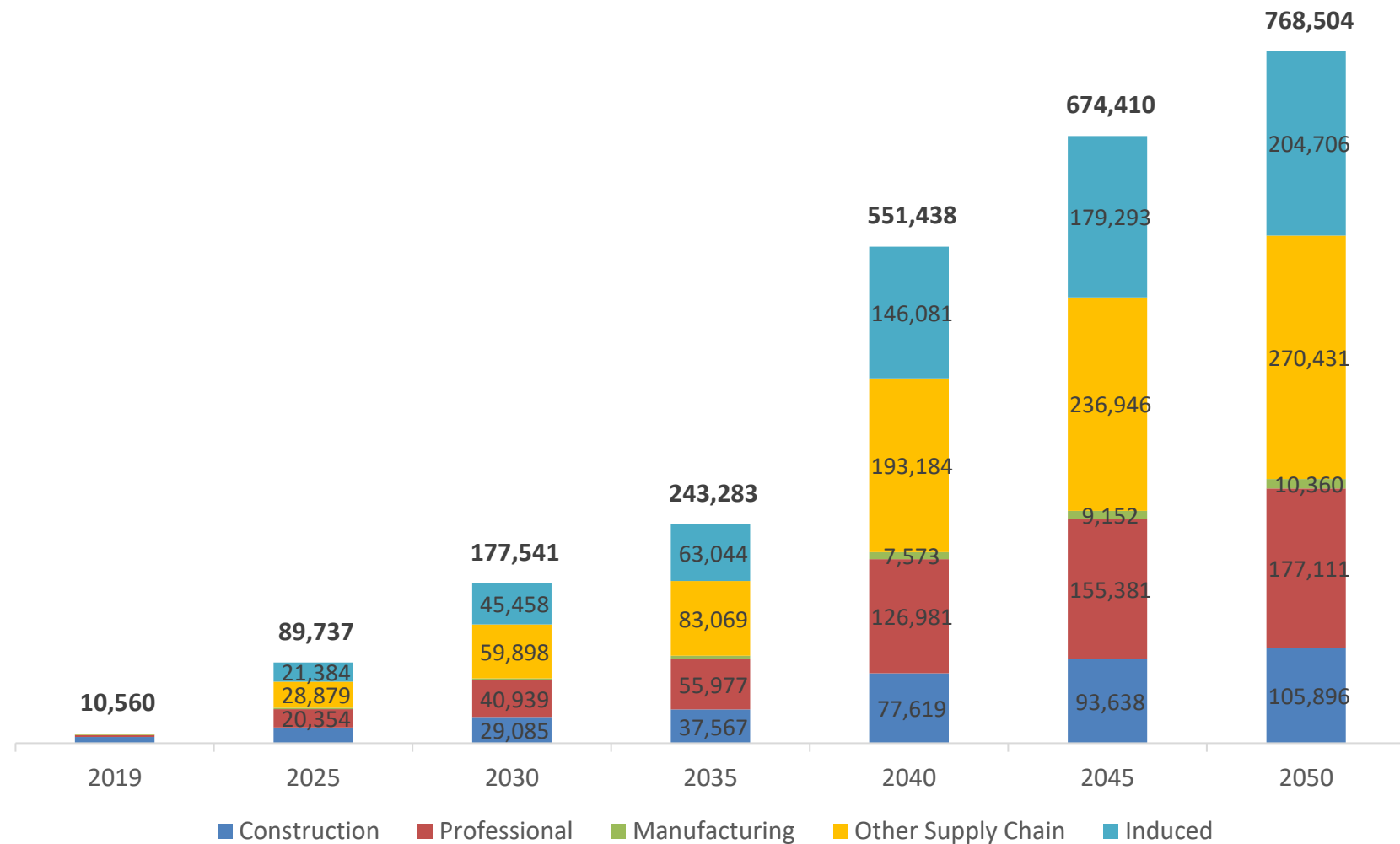




## DRAFT Initial Model Outputs

# DRAFT Distributed PV LNE Scenario 1

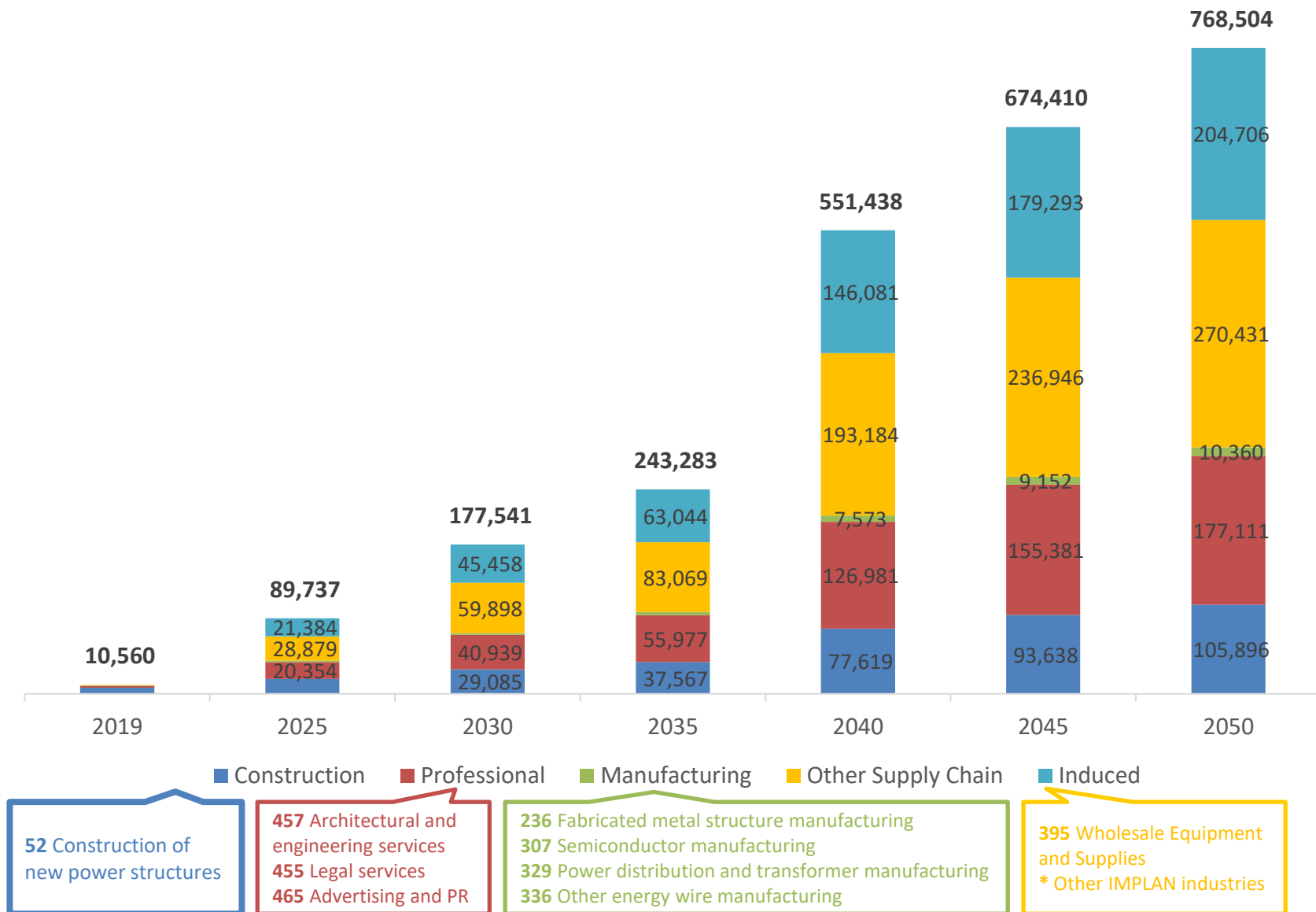
**DRAFT & PRELIMINARY**



DRAFT Initial Model  
Outputs

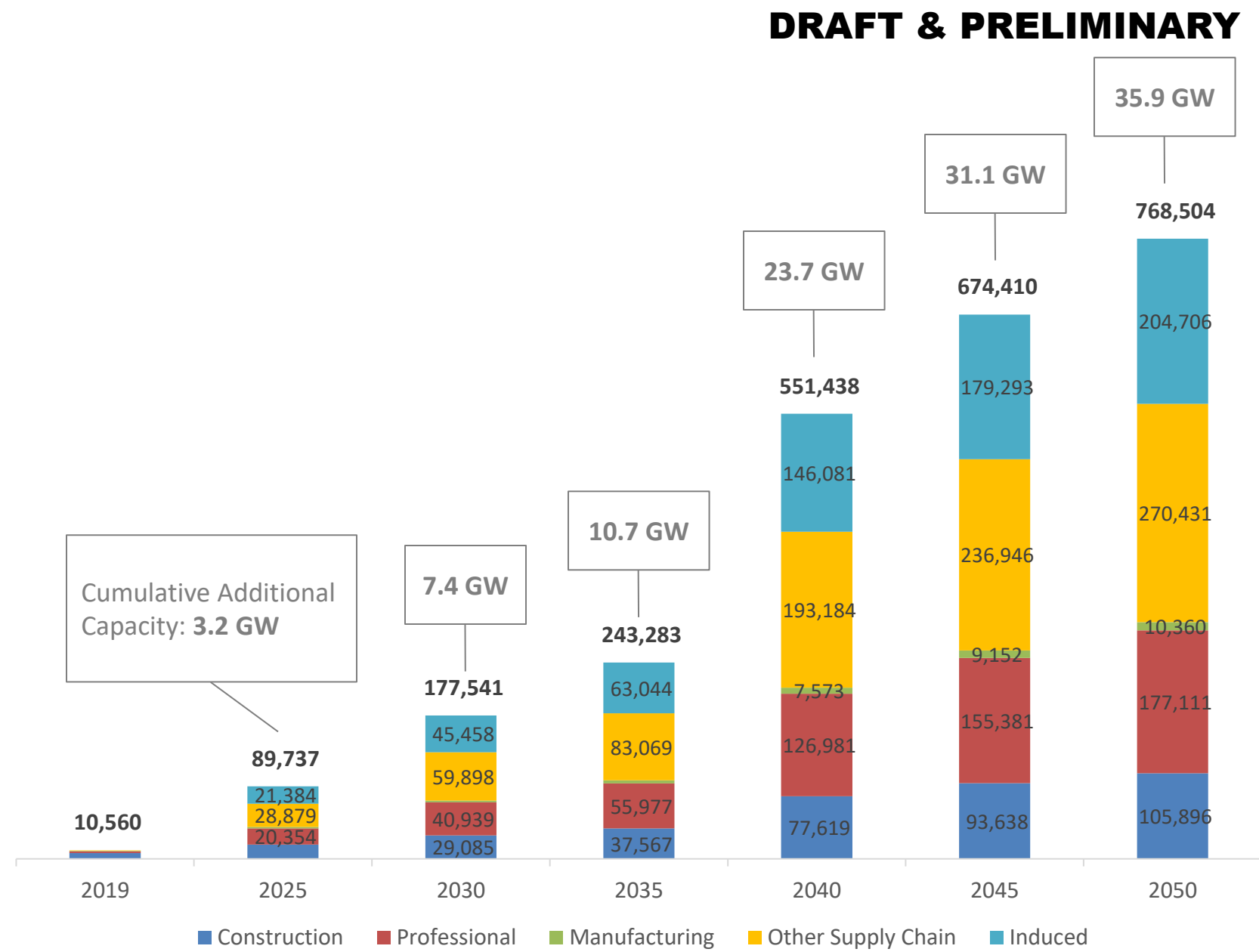
DRAFT  
Distributed PV  
LNE Scenario  
1

DRAFT & PRELIMINARY



DRAFT Initial Model  
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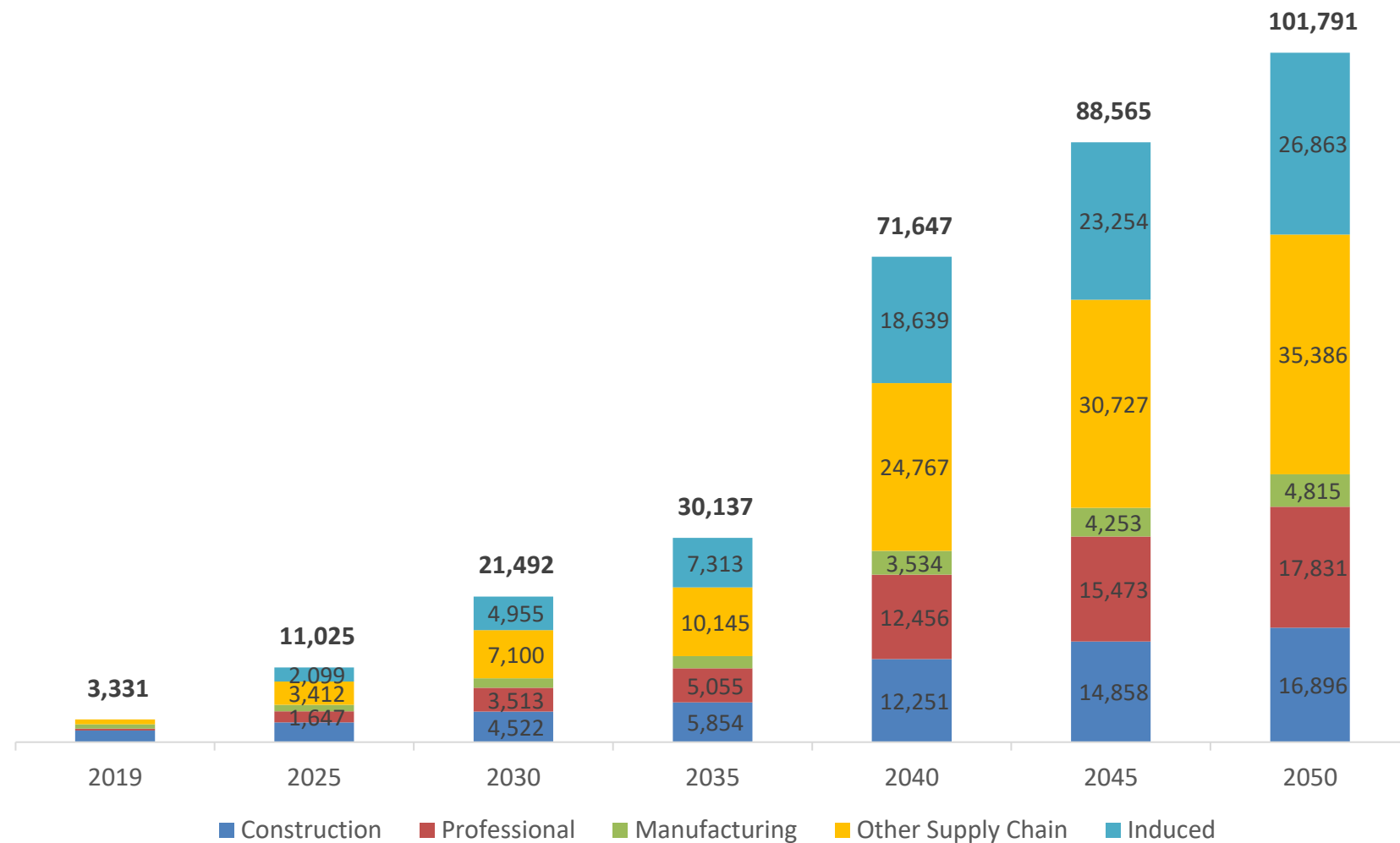
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**DRAFT Initial Model  
Outputs**

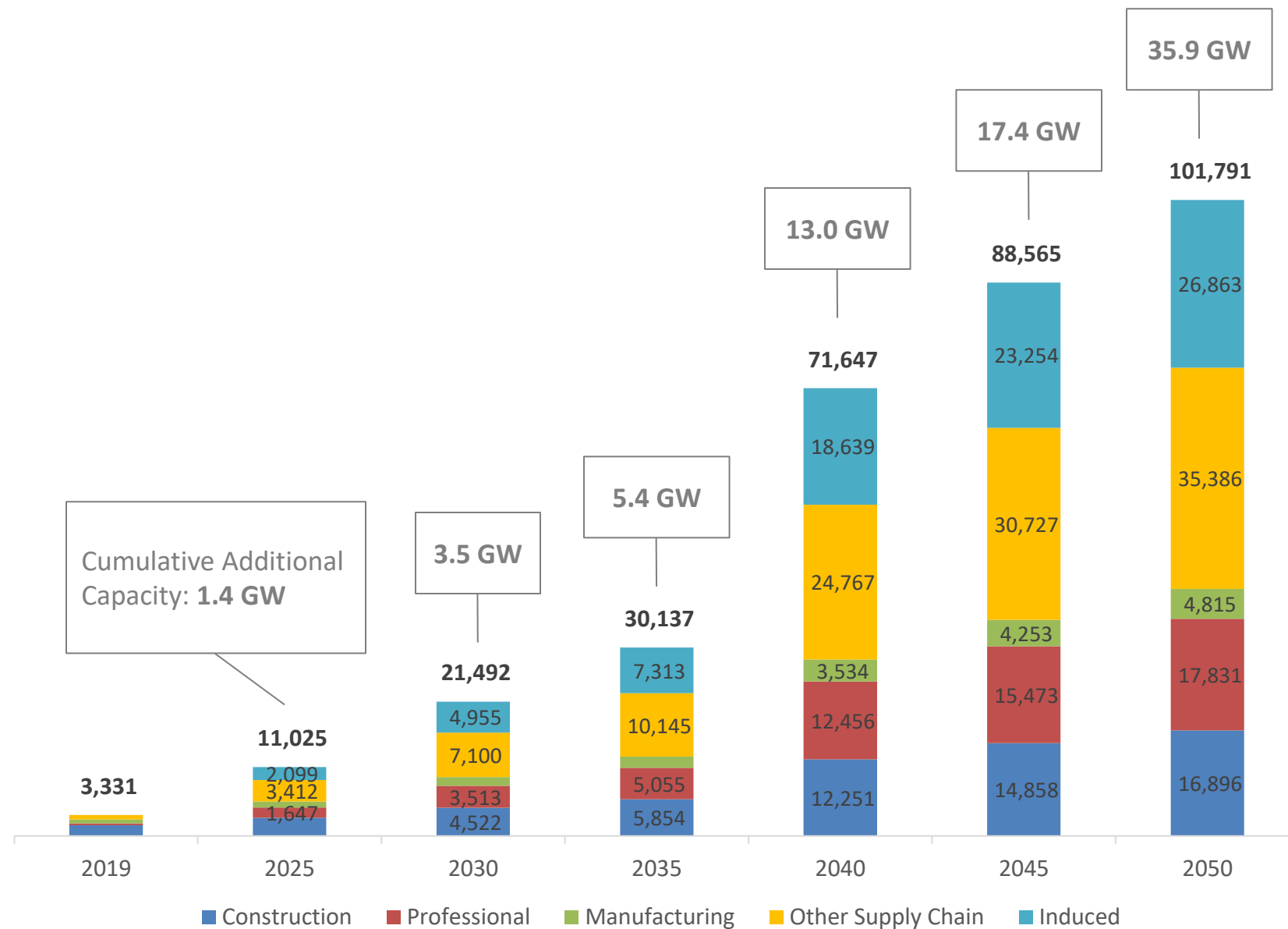
**DRAFT Utility  
PV LNE  
Scenario 1**

**DRAFT & PRELIMINARY**



# DRAFT Initial Model Outputs

## DRAFT Utility PV LNE Scenario 1



**NY Just Transition  
Working Group:  
Jobs Study**

**Next Steps  
(August –  
October)**

1. Review and compile scenario data, assumptions & initial inputs from Draft One Integration Scenarios
2. Produce Initial & Secondary Employment Outputs by Sub-sector from at least one Draft One Integration Scenario
3. Review and compile Draft Two Integration Scenarios and update Employment Outputs

**NY Just Transition  
Working Group:  
Jobs Study**

**Next Steps II  
(September –  
December)**

1. Consider potential dials for;
  - Labor standards, prevailing wages & unionization rates
  - Domestic content & manufacturing requirements
2. Second phase employment impacts;
  - Industry & Occupational classifications
  - Geographic distribution within 10 regions of the State
  - Demographic profile of employment
  - Job Quality & Unionization
3. Complete Workforce Analyses



**NY Just Transition  
Working Group:  
Jobs Study**

**Workforce  
Analyses**

1. Describe impact on employment, economic and fiscal landscape for NY & 10 REDC's.
2. Assess how those in declining industries & occupations can transition to growing or emerging industries & occupations.
3. Examine how occupational pathways will change in demand for skills, certificates, education, experience and other workforce requirements.
4. How will labor standards, unionization rates, job quality and the ability to align with "high-road" economic development be impacted under each scenario.
5. Examine how employment opportunities for underserved cohorts (Black, Latinx, Veterans, Women & formerly incarcerated) will be impacted under each scenario.

# Questions and Discussion

# **Workforce Development & Training Update: New Funding Initiatives**

# Reminder: Summary of Preliminary JTWG Workforce Recommendations

Initiative #	Description	Action Type	Ease of Implementation	Cost to Develop & Implement
1	Direct Displaced Worker Support	Enabling	Medium/Difficult	\$\$
2	Labor Standards: PLAs and Community Agreements	Enabling	Medium/Difficult	--
3	Targeted Financial Support for Businesses	Enabling	Easy	\$
4	CJ and CE Training Curriculum and Programs	Enabling	Medium	\$
5	Career Pathway Programs (new & existing workers)	Enabling	Easy	\$
6	Community Engagement, Stakeholder Input, Market Assessments	Enabling	Easy/Medium	\$

# Workforce Development – Program Updates

## > **On-the-Job Training Program**

- 631 people hired to date, including 126 people from disadvantaged communities (DACs) and priority populations (PPs).
- Upward trend in new hires from DACs/PPs (37% for 2021).

## > **Talent Pipeline Programs (3 Competitive Solicitations)**

- 31 ongoing projects funded; 12 projects pending final management approval/under contract negotiations
- 3,900 out of 13,770 individuals trained to date
  - 20% (800) from DACs/PPs; 15% new entrants to clean energy; 85% existing workers.
  - 40% of new workers (230) placed into full-time jobs, paid internships and apprenticeships.
  - % of new workers and targeted populations trained to increase over time due to new PON requirements & preferences.

## > **Pay for Success Clean Energy Training (SIPPRA)**

- 2 projects awarded funding; 1 pending final management approval.
- 225 new, low-income workers to be trained over 2-3 years.

## > **Climate Justice Fellowship**

- \$6M funding opportunity over 3 years to fund 50 x \$40K fellowships.
- Estimated launch: Fall 2021 with two additional cohorts in Spring 2022 and Spring 2023.

# Workforce Development Funding Initiatives

## > Consolidated Funding Application (CFA) - Workforce Development Initiative (WDI) Rd. 2

- NYSDOL making \$25M available through two programs:
  - Existing Employee Training (EET) provides funding for up to one year of occupational skills training for existing employees to place or retain them in middle-skill occupations. Eligible applicants are for profit and private not-for-profit businesses (minimum 2 employees). Awards range from \$100,000 to \$300,000 depending on business size.
  - Unemployed/Underemployed Worker Training (UWT) provides funding for occupational skills training and career development services (must be delivered in conjunction with occupational skills training). Eligible applicants include for-profit and not-for profit entities, municipalities, and educational institutions (minimum 2 employees). Awards up to \$250,000 per applicant.



# Questions and Discussion

# Other Updates

# State Budget – Legislative Updates

## Several notable and relevant updates from this spring's New York State budget

- > **Prevailing wage** requirements for the construction of a covered renewable energy system (projects above 5 MW that receive REC contracts)
- > Prevailing wage requirements do not apply to any covered renewable energy system constructed pursuant to a **Project Labor Agreement**
- > Requires owner of a covered renewable energy system to enter into **labor peace agreements** for certain operations and maintenance employees under certain circumstances
- > **Buy American**: provision requiring iron and structural steel permanently incorporated into certain covered renewable energy systems to be produced or made in whole or substantial part in the United States, subject to agency head review
- > **MWBE & SDVOB**: Requires owners and developers of covered renewable energy systems to comply with the objectives and goals of Executive Law Articles 15-A (MWBE) and 17-B (SDVOB)
- > **NY Businesses**: allows the evaluation process of competitive bids to give significant consideration to the procurement of equipment and supplies from businesses located in New York State

# Next Steps

- > Just Transition Working Group will convene again in the autumn (likely late October, to be confirmed and scheduled)
  - Remaining activities will focus on finalization of the Jobs Study and overall workforce recommendations, to be delivered to the Climate Action Council
  - With any questions or inquiries in the interim, please don't hesitate to reach out to a member of the NYSERDA or NYSDOL teams
  
- > Climate Action Council work is ongoing, with a focus on gathering input from the Climate Justice Working Group and updating the Integration Analysis to reflect the recommendations of the Advisory Panels
  - Stay up to date with meetings and materials on the [www.climate.ny.gov](http://www.climate.ny.gov) website

**Thank you for  
attending!**