



NYSERDA

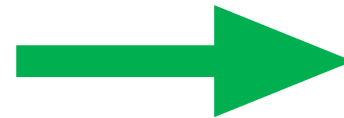
NYSERDA Multifamily Low Carbon Pathways Program Update November 1st, 2023

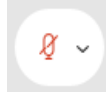


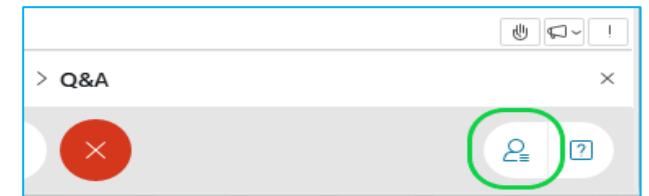
Meeting Procedures

Participation for Attendees:

- This session is being recorded
- Attendees are muted upon entry.
- Questions and comments may be submitted in writing through the Q&A feature at any time during the event.
- Attendee feedback questions will be asked throughout the presentation
- Today's materials along with a recording of the webinar will be shared in a follow-up Email to all participants.



You'll see  when your microphone is muted



Agenda

> Program Recap

- Objectives
- Pipeline
- Program Process and Timeline

> Comparison: Current vs. Update

- Eligibility
- Program Measure Structures
- Incentive and Caps

> Documents and Resources

> Q&A

Low Carbon Pathways: Program Recap

Program Objectives

- > **Help offset the incremental costs of low carbon improvements**
- > **Simplify implementation by breaking down a whole-building retrofit into smaller measure packages that:**
 - Can be implemented over time and independently of each other
 - Leverage existing building capital improvement cycles (e.g., equipment end of life & local law compliance)
- > **Remove uncertainty/risk around funding and implementation requirements by:**
 - Clearly identifying required measures and improvements within each measure package
 - Providing funding based on measure installation (rather than measure performance)

Low Carbon Pathways: Summary of Current Pipeline

> Program Launch

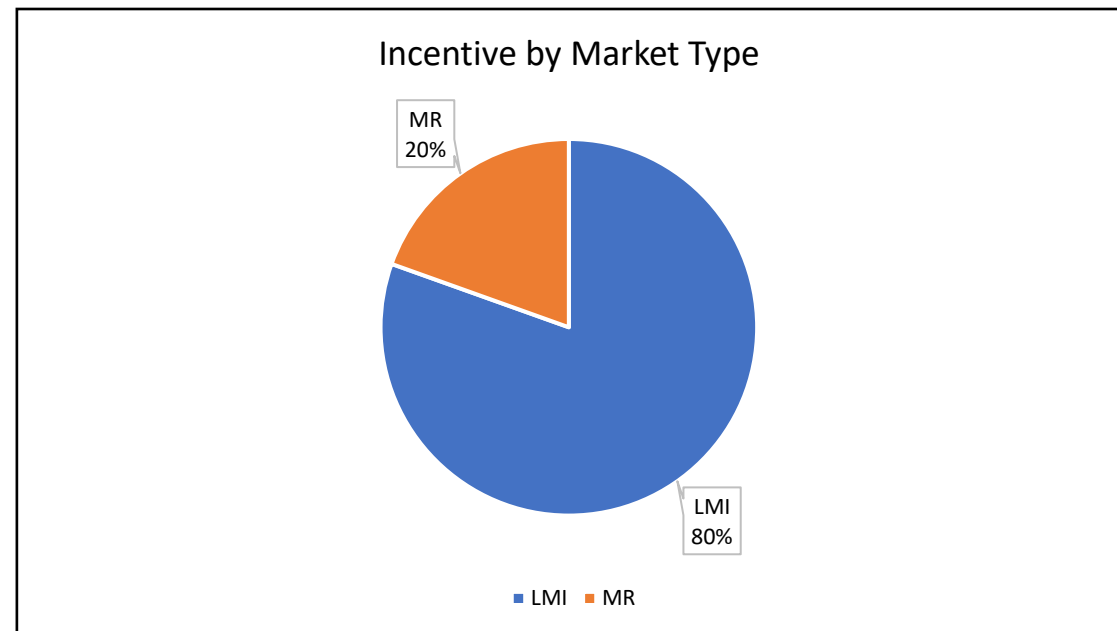
- July 2021

> Pipeline

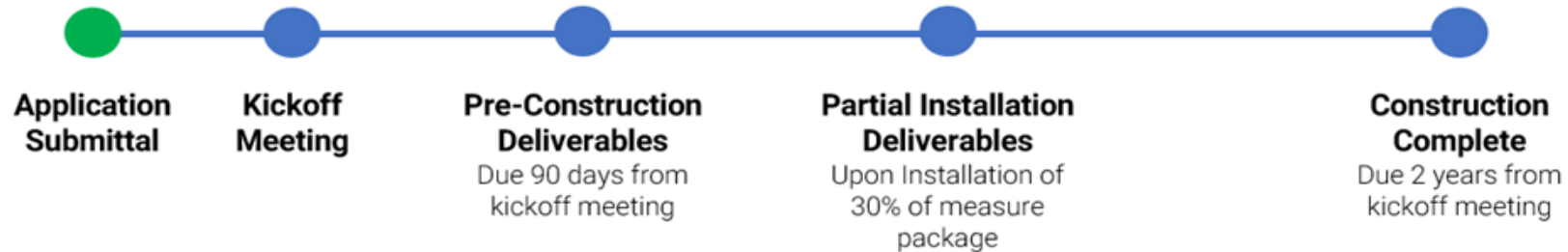
- **Total Applications: 21**
 - Cancelled: 1
- **Applications: 1 In Processing**
 - Self-Reported Affordable: 0
- **Active Participants: 19 Contracted projects**
 - Self-Reported Affordable: 12

> Incentives

- **Total Incentives: \$5,772,050.00**
 - Self-Reported Affordable: \$4,643,650

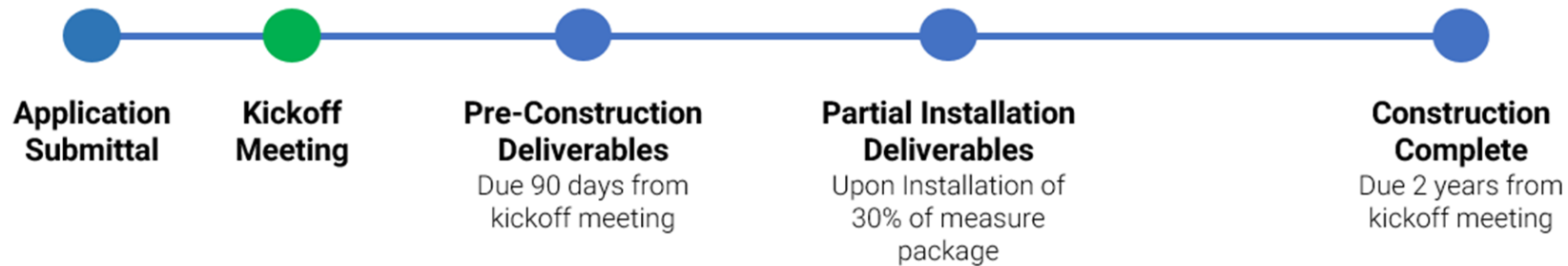


Application Submittal



- > **Review Terms & Conditions**
- > **Application documents are submitted via email to MFLowCarbonPathways@nyserda.ny.gov**
- > **Application Materials:**
 - **Application form (Updated)**
 - **Affordability Application Confirmation (New)**
 - **W-9**
 - **Letter of Commitment**

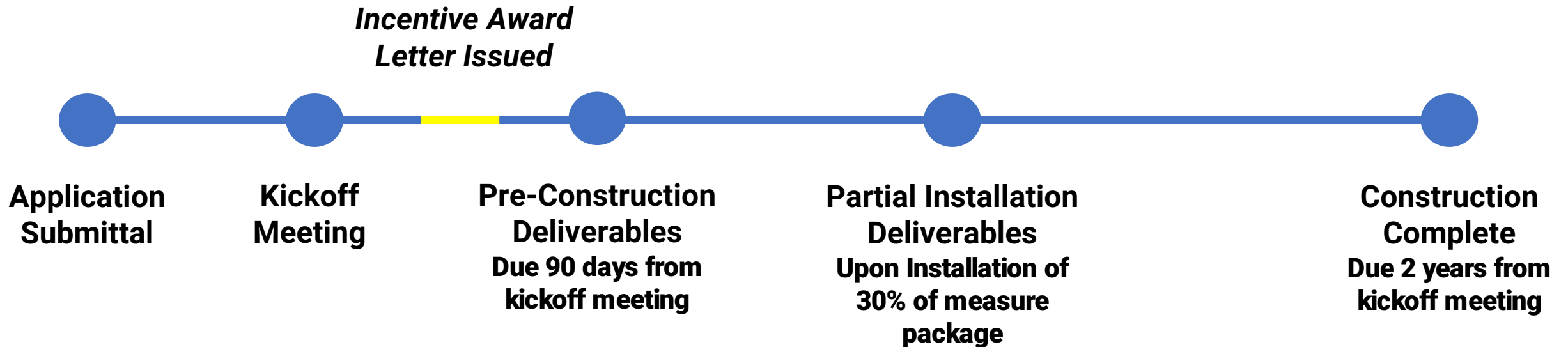
Application Review & Approval



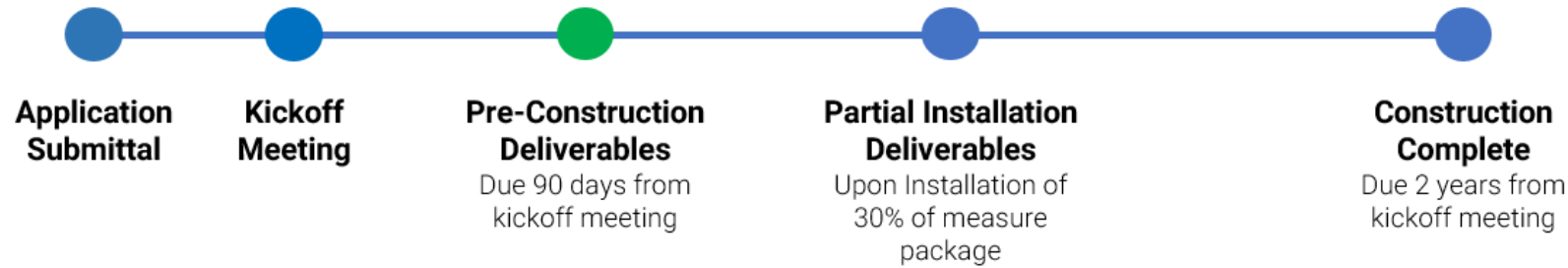
> Kickoff Meeting

- Meeting with NYSERDA, Applicant representative, and consultant: review scope of work & portfolio information
- After the kickoff meeting, NYSERDA will confirm project eligibility and the project can proceed into pre-construction

Project Timeline

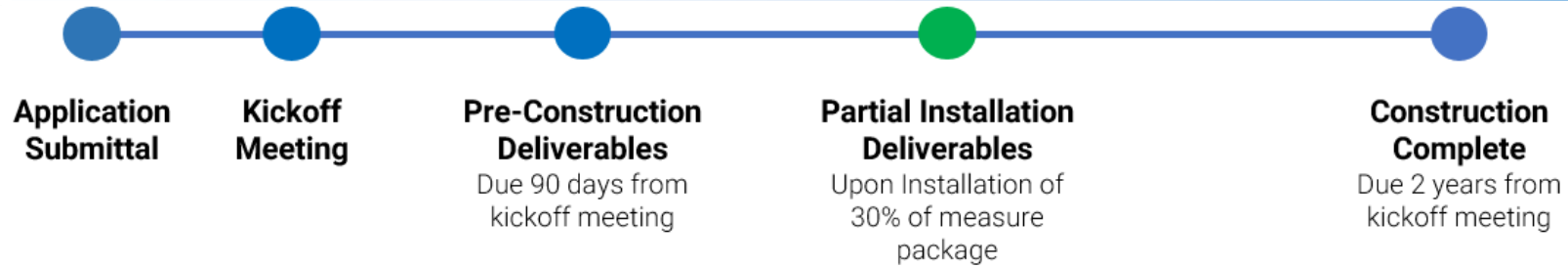


Pre-Construction Submittal Development



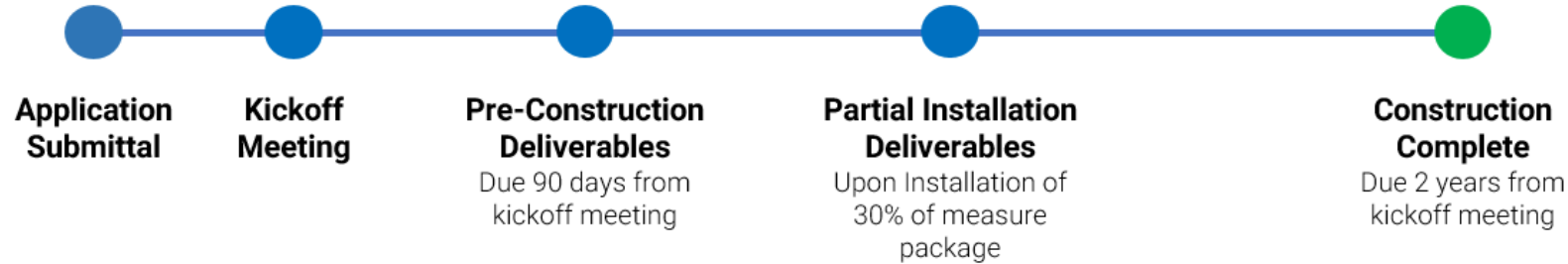
- > **10% of total incentive amount issued on deliverable approval**
- > **The following deliverables are required at this stage:**
 - Resident DRAFTs
 - Owner DRAFTs
 - Photo template
 - Design Documents
 - Cut sheets
 - Workscope tool
- > **NYSERDA will review the deliverables and schedule an inspection**

Partial-Construction Payment



- > **Required for Envelope Package; Optional for all other packages**
- > **40% of total incentive amount**
- > **The following deliverables are required at this stage:**
 - Updated Workscope Tool
 - Photo Template
 - Cut Sheets
- > **NYSERDA will review the deliverables and schedule an inspection**

Construction Completion Incentive



- > **Remaining 50% of total incentive amount + 100% of bonus incentives (*if applicable*)**
- > **The following deliverables are required at this stage:**
 - Updated workscope tool
 - Photo template
 - Cut sheets
 - Final invoices
- > **NYSERDA will review the deliverables and schedule an inspection**

Low Carbon Pathways: Program Comparison Current vs. Update

Eligibility

Current (Ends 11/17/2023)

- > **Participants Must work with:**
 - Multifamily Building Solutions
 - FlexTech Consultants
- > **Eligible Participants Must:**
 - Own or manage a portfolio with 10+ buildings

OR

 - Owners or property managers are active members in real estate associations (e.g., UHAB, CNYC, REBNY, RSA, RHC, etc.)
- > **Affordability:**
 - Self Reported

Both

- > **Eligible Building Markets:**
 - Market-rate
 - affordable building

Update (Starts 11/20/2023)

- > **Participants Can work with:**
 - Multifamily Building Solutions
 - FlexTech Consultants
 - Independent Service Providers
- > **Eligible Participants Must:**
 - Requirements Removed
- > **Affordability:**
 - Must provide affordability criteria detailed in NYSERDA Affordable Multifamily Building Guidelines.

Eligibility

Current (Ends 11/17/2023)

- > **Occupancy Requirements:**
 - A minimum of 7 or 10% (whichever is more) occupied units for all buildings with 15 or more units.
 - A minimum of 50% (rounded down) occupied units for all buildings with 5-14 units.
- > **Construction Requirements:**
 - Any Building Must Not be out of service for more than 30 consecutive days during construction.
- > **Unit by Unit Approaches:**
 - Not Allowed

Both

- > **Ineligible Projects:**
 - New construction projects
 - Substantial renovations (gut rehabs)
 - Reconstruction of a Vacant Structure or Space
 - Change of Use and Reconstruction of an existing building or space within
 - New facilities or those that have undergone substantial renovations not in operation for at least one year prior to submission of the Program Application.

Update (Starts 11/20/2023)

- > **Occupancy Requirements:**
 - A minimum unit occupancy rate of 50% (rounded down) for all properties within the application.** Exceptions may be made for affordable housing on a case by case basis
- > **Construction Requirements:**
 - Exceptions added for buildings on garden style properties

Attendee Feedback Question #1

How satisfied are you with the eligibility changes made in this program update?

1. **Unsatisfied**
2. **Somewhat Unsatisfied**
3. **Satisfied**
4. **Somewhat Satisfied**
5. **Very Satisfied**

Attendee Feedback Question #2

What impact do you think these eligibility changes will have on participation of you or your clients in the Low Carbon Pathways Program?

1. Large Decrease
2. Slight Decrease
3. No Change
4. Slight Increase
5. Large Increase

Program Measure Structure

Current (Ends 11/17/2023)

- > **Primary Measures**
 - Ventilation
- > **Bonus Measures**
 - Steam Upgrades
 - Appliance (Induction Stoves Only)
- > **Structure**
 - One target per Measure package (Envelope Included)

Both

- > **Primary Upgrade Packages**
 - Envelope
 - Heating and Cooling
 - Domestic Hot Water
- > **Bonus Measures**
 - Envelope: First Install
 - Air Sealing
- > **Modular Packages**
 - Participate in any one or combination of any primary packages
 - Bonus measures tied to specific primary measure packages

Update (Starts 11/20/2023)

- > **Primary Measures**
 - Appliances (Induction Stoves & Heat Pump Dryers)
- > **Bonus Measures**
 - Ventilation
- > **Structure**
 - 2-Tiered targets per measure package
 - Envelope split into Roof, Walls and Windows 2-Tiered targets per option

Incentives & Caps

Current (Ends 11/17/2023)

- > **Incentive Amounts:**
 - Target ~20% of Average Measure cost
- > **Incentive Caps:**
 - Affordable: Cost share not to exceed 50% of total measure cost
 - \$1.5M across the corporate parent entity portfolio owner/parent company (whichever is lower)
- > **Unit by Unit Approaches:**
 - Not Allowed

Both

- > **Incentive Caps:**
 - Market Rate: Cost share not to exceed 50% of total measure cost
 - Participating Project receiving additional incentives available through other offerings (e.g. New York State Clean Heat Program, Federal Weatherization Assistance Program, IRA, etc.) must not exceed NYSERDA cost caps for specific measures
 - Executed award letter from all other offerings that the project is receiving funding from are required

Update (Starts 11/20/2023)

- > **Incentive Amounts:**
 - Target ~30% of Average Measure cost
- > **Incentive Caps:**
 - Affordable: Cost share not to exceed 75% of total measure cost
 - \$1.5M per project/property
 - \$3M across the corporate parent entity portfolio owner/parent company (whichever is lower)

Incentive & Caps – Updated Incentive Table

Measure Package	Measure Tier	Required Measure	Required Upgrade Incentives*	Add-On Incentives**
Envelope	Roof - Tier 1	U-Value Target of ≤ 0.025	\$250 per dwelling unit	Air sealing: \$50 per dwelling unit Ventilation: \$750 per dwelling unit Bonus \$250/dwelling unit if this is first package implemented and none of the other required measure packages described in this table have been implemented
	Roof - Tier 2	U-Value Target of ≤ 0.02	\$500 per dwelling unit	
	Wall - Tier 1	U-Value Target of ≤ 0.05	\$750 per dwelling unit	Air sealing: \$50 per dwelling unit Ventilation: \$750 per dwelling unit Bonus \$1,000/dwelling unit if this is first package implemented and none of the other required measure packages described in this table have been implemented
	Wall - Tier 2	U-Value Target of ≤ 0.03	\$1,500 per dwelling unit	
	Window - Tier 2	U-Value Target of ≤ 0.27	\$1,250 per dwelling unit	Air sealing: \$50 per dwelling unit Ventilation: \$750 per dwelling unit Bonus \$500/dwelling unit if this is first package implemented and none of the other required measure packages described in this table have been implemented Unit-by-unit construction option assessed on a project basis.
Appliances	Induction Stoves		\$700 per dwelling unit	Unit-by-unit construction option assessed on a project basis.
	Heat Pump Dryers		\$500 per dwelling unit	
Heating & Cooling	Partial Electrification - Tier 1	Full load heating and cooling down to 30°F Must not prevent future full load electrification	\$2,000 per dwelling unit In addition to any applicable NY Clean Heat incentives	Air sealing: \$50 per dwelling unit Unit-by-unit construction option assessed on a project basis. Ventilation: \$750 per dwelling unit
	Full Electrification - Tier 2	Full heating and cooling load Water-to-water heat pumps initial heating source cannot be a fluid that was previously heated by fossil fuels	\$4,000 per dwelling unit In addition to any applicable NY Clean Heat incentives	
Domestic Hot Water	Partial Electrification - Tier 1	Minimum 30% of Load	\$750 per dwelling unit In addition to any applicable NY Clean Heat incentives	Unit-by-unit construction option assessed on a project basis.
	Full Electrification - Tier 2	100% of Load	\$1,500 per dwelling unit In addition to any applicable NY Clean Heat incentives	

Attendee Feedback Question #3

How satisfied are you with the Program Measure Structure changes made in this program update?

1. **Unsatisfied**
2. **Somewhat Unsatisfied**
3. **Satisfied**
4. **Somewhat Satisfied**
5. **Very Satisfied**

Attendee Feedback Question #4

What impact do you think these Program Measure Structure changes will have on participation of you or your clients in the Low Carbon Pathways Program?

1. Large Decrease
2. Slight Decrease
3. No Change
4. Slight Increase
5. Large Increase

Attendee Feedback Question #5

How satisfied are you with the Incentive and Cap changes made in this program update?

1. **Unsatisfied**
2. **Somewhat Unsatisfied**
3. **Satisfied**
4. **Somewhat Satisfied**
5. **Very Satisfied**

Attendee Feedback Question #6

What impact do you think these Incentive and Cap changes will have on participation of you or your clients in the Low Carbon Pathways Program?

1. Large Decrease
2. Slight Decrease
3. No Change
4. Slight Increase
5. Large Increase

Attendee Feedback Question #7

Does the Updated Incentive Table Clearly indicate the Incentive structure and high-level measure requirements?

1. **No, Neither**
2. **Yes, High-Level Measure Requirements only**
3. **Yes, Incentive structure only**
4. **Yes, Both**



NYSERDA

Low Carbon Pathways: Documents and Resources

Measure Package Requirements

- > **Attachment A: Measure Package Requirement Details** contains measure details for each package. Including:
 - Required measure(s) for each package
 - E.g. must install *xyz* with *abc* efficiency
 - Minimum installation standards for each measure
 - E.g. must be installed in accordance with manufacturer specifications
 - Detailed required deliverables, by package and milestone

Workscope Tool - What is the Workscope Tool?

- > **Spreadsheet workbook** that standardizes information, documentation, and data
- > **Captures general project information, pertinent existing conditions, and workscope details**
- > **During construction stages, the same workbook is used to collect information on what was installed**
- > **Inputs are collected** to ensure project meets all program minimum measure requirements
- > **A single tool is completed** for all buildings within the project.

Workscope Tool – Essential Tabs

- > **Each package has its own Workscope Tool** that also includes the pertinent bonus package information
- > **All Workscope Tools contain at least the following:**
 - **Instructions tab – For reference**
 - **General Project Info tab - Completed during Pre-construction**
 - **Pre-const tab –Completed during Pre-construction**
 - **Const tab – Completed during Partial and Construction Complete**
 - **QC Feedback – Completed during each stage**

Where can I find LCP program documents? (Current till 11/17/2023, Updated after 11/20/2023)

> [PON 4701 Website](#)

- **PON 4701 - Summary**
- **Attachment A: Measure Package Requirement Details**
- **Attachment B: Low Carbon Pathways Application Form**
- **Attachment C: Letter of Commitment**
- **Attachment D: Terms and Conditions**

> [Low Carbon Pathways Program: Docs & Resources for Providers](#)

- **Owner and Resident DRAFTs**
- **Photo Template and Sampling Instructions**
- **Workscope tools – for all packages**

Multifamily Residential Resources

Program Webpage



Program Menu



Email List



> [Low Carbon Multifamily Retrofit Playbooks](#)

- Playbooks that summarize retrofit strategies that maximize occupant comfort and energy savings through a transition from fuel to electricity-based heating, cooling and hot water systems.

> [International Tailoring Building Case Study / Video Case Study](#)

Questions?

Please email

mflowcarbonpathways@nyserda.ny.gov

for additional questions or reach out to:

Phil Dubuc, Phil.Dubuc@nyserda.ny.gov

Thank you!

**Multifamily
Programs Webpage**

