

# 2020 SoCalREN Multifamily Program

Contractor Luncheon

# Agenda



- Welcome and Team Introduction
- Overview of SoCalREN Program 2020
  - Whole Building
  - Express Path
  - Accepted Measures, Enrollment Processes, and Resources/Collateral Overview
  - Learning Center and Contractor Management Portal
- 2019 Participation Award Acknowledgement
- 10 Minute Break
- 5 Minute Grab Lunch
- Lincus Presentation Intake Process
  - Review of Multifamily Systems and Inspection Best Practices
- Q/A – Discussion
- Closing

# Welcome and Introductions

# Overview of SoCalREN Program 2020

Whole Building, Express Path, Accepted Measures, Enrollment Processes, Resources/Collateral Overview, New Project Submission Process, Learning Center, and Contractor Management Portal

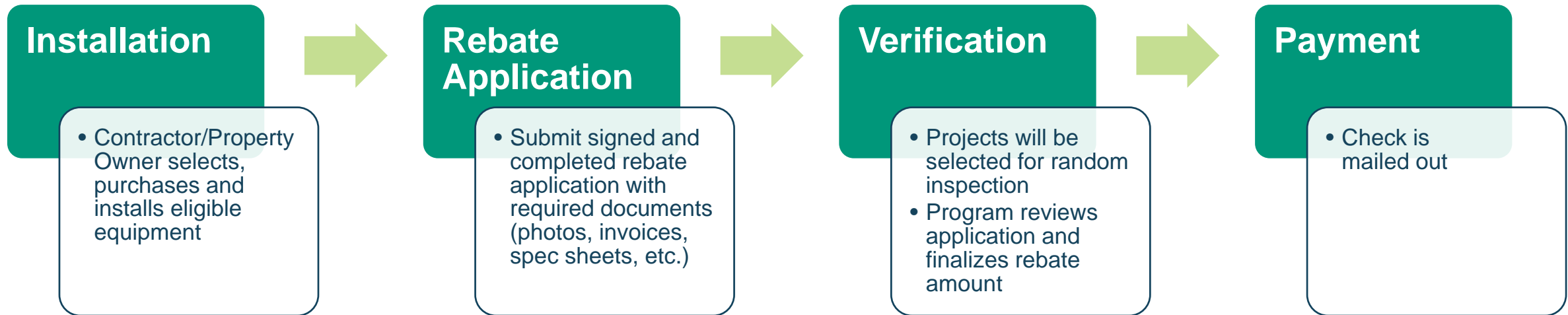
# Whole Building

The SoCalREN Multifamily Program encourages property owners to look at their whole building as a system and install measures that work together to create greater efficiency.

## Eligibility

- Eligible buildings must have a minimum of five attached residential units
- Must be served by Southern California Edison or SoCalGas®
- A minimum of three eligible energy efficiency measures
- Be assessed by the program
- Achieve a minimum 10% whole-building energy improvement

# Express Path



# 2020 Pathway Options

## Whole Building Path

Energy Assessment and Modeling

Combination of measures that work together as a system for maximum energy savings

Open to properties of any size; five units or greater

## Express Path Pilot

Selection from a package of measures

No Energy Modeling

Open to properties from five to 50 units

## • Accepted Measures

- CPA and POA

## • Resources/Collateral

The Southern California Regional Energy Network is administered by the County of Los Angeles and funded by California utility ratepayers under the auspices of the California Public Utilities Commission.

[socalren.org/multifamily](http://socalren.org/multifamily)



# New Project Submission Process

## Enrollment Documents

- Required upfront before enrolling projects
  - Signed Property Owner Agreement
  - Utility Bills



## Submit Intake Form

- New application portal will be available for submitting project documents
- Contractors will upload for review by engineering team



## Get an Assessment and Reserve Funding

- Identify EE opportunities for the property with property owner and account manager
- Secure funding with Reservation Letter



## Make Improvements

- Install energy efficiency measures and achieve a minimum 10% improvement



## Incentive Paid

- Expect payment 6-8 weeks



## Quality Control Review

- Review documents
- Projects will be randomly selected for an on-site inspection by Engineering Team




## Submit Post-Construction Document


- Permits
- Itemized Invoices
- Incentive Assignment Form (if applicable)

# Learning Center

## Self Paced Online Learning

- Selling Projects
- Customer Service
- HVAC, Combustion, Ventilation courses





The SoCalREN Learning Center offers a growing selection of trainings and resources to enhance your participation in utility energy efficiency programs. After registering you can browse courses, add them to your course list and undertake trainings on your own schedule.

The SoCalREN Learning Center is an ICF International initiative. New content will be added frequently as needed by participating utilities and programs.

### Welcome to the SoCalREN Learning Center

Email

Password

[Sign in](#)

[Forgot password?](#)

# Contractor Management Portal

Centralized Communication  
for program compliance:

- Insurance
- Training Certificates
- CSLB Documents
- W-9



# 2019 Participation Award Acknowledgement

# 10-Minute Break

Grab Lunch

# Lincus Presentation

Intake Form

# Lincus Presentation

Program and Contractor Terms and Conditions

Program Process and Key Players

Contractor Intake Form – Sections

Review of Energy Audit Report

Q/A Intake Process

# Objective and Purpose



- **Training Objective**

- To understand project requirements
- To understand project's processes
- To increase quality and accuracy of data submitted for projects

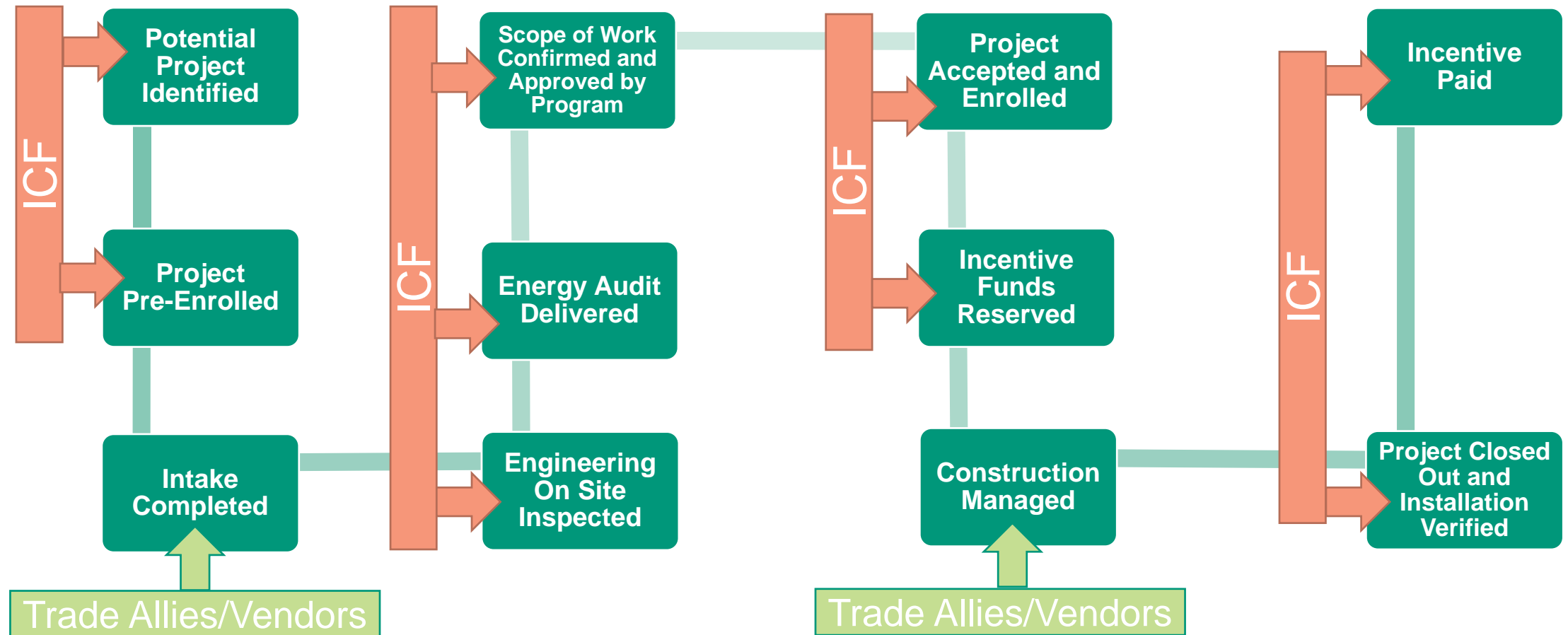


- **Purpose of the Intake Forms**

- To create a standard process of submitting project data
- To have a reference for inputs needed for energy assessment calculations
- To initiate milestones for project development and completions



# SoCalREN Multifamily Program Process



# SoCalREN Intake

## Intake Form Sections

- General Property Characteristics
- Benchmarking
- Envelope
- Heating and Cooling System
- Domestic Hot Water
- Swimming Pools/Spas
- Clothes Washers
- Appliances
- Water Fixtures
- Lighting

# Intake Form Walkthrough

## Instructions to correctly complete the intake form:

- Determine if you have the most updated intake form template – Version 8 dated 09/03/2019
- Complete one intake form for each unique building type
  - i.e. buildings that have different HVAC or DHW system years, types, or fuel types, different room configurations, or are otherwise distinct
- Fields that are in bold are required for ALL projects
- Non-bolded fields ARE required for all customer requested measures
- Please note that inaccurate or incomplete forms will be returned and require resubmission
- Once the form is completed, please deliver the form including photos and an attached property map to [multifamily@socalren.org](mailto:multifamily@socalren.org)

**MORE INFORMATION IS ALWAYS BETTER**

# Intake Form Walkthrough

## General Property Characteristics

General Property Characteristics			
Date of Assessment:		Floors Above Ground:	
Property Map Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		Floors Below Ground:	
Property Name:		Year Built (of individual building):	
Building Name (If different from Property Name):		Square Footage of Conditioned Area (In unit + Conditioned Common Area):	
Property Address:		Who Pays Electric Bills: <input type="checkbox"/> Owner <input type="checkbox"/> Tenant	
Zip Code:		Who Pays Gas Bills: <input type="checkbox"/> Owner <input type="checkbox"/> Tenant	
State: CA		Maintenance contact:	
Number of Apartment Units and Configurations:			
Apartment Type	# of Apartments	Sq.ft. per Apartment	# of Apts Sampled (10 or more/property)
Studio			
1 Bed 1 Bath	63	765	
2 Bed 1 Bath			
2 Bed 2 Bath			
3 bed 2 bath	109	1,296	
3 bed 3 bath			
4 or more bedrooms			
Total			
Primary Space Heating Fuel Type: <input type="checkbox"/> Electricity <input type="checkbox"/> Gas		Primary Water Heating Fuel Type: <input type="checkbox"/> Electricity <input type="checkbox"/> Gas	



**ACHIEVE**  
1 Bedroom, 1.0 Bath(s)  
765 Sq. Ft.



**DREAM**  
3 Bedrooms, 2.0 Bath(s)  
1296 Sq. Ft.

# Intake Form Walkthrough

## Space Heating and Cooling Section

Heating and Cooling System		System 1
<b>Location</b>		
<b>HVAC System Category:</b> (Cooling, Heating, Heat Pump)		
<b>HVAC System Name</b>		
<b>HVAC System Type:</b> <b>Cooling Systems</b> <ul style="list-style-type: none"> <li>Room AC</li> <li>Ducted Split System AC</li> <li>Packaged Terminal AC</li> <li>Air Cooled Chiller</li> <li>Water Cooled Chiller</li> <li>Roof Top AC</li> <li>Roof Top AC w/Economizer</li> </ul>	<b>Heating Systems</b> <ul style="list-style-type: none"> <li>Baseboard Electric Resistance</li> <li>Hydronic</li> <li>Boiler - Gas</li> <li>Furnace – Gas</li> </ul> <b>Heat Pump</b> <ul style="list-style-type: none"> <li>Air Source Heat Pump</li> <li>Water Source Heat Pump</li> <li>Packaged Terminal Heat Pump</li> </ul>	
<b>Qty of HVAC systems:</b>		
<b>System Age:</b> (i.e. year manufactured)		
<b>Thermostat type:</b> (on/off, programmable, smart)		
<b>Existing Capacity with unit</b> (in Btu/h, KBtu/h, Ton)		
<b>Existing System Efficiency with units</b> (Cooling - EER/SEER/COP; Heating – HSPF/COP/AFUE)		

Enter the location that this HVAC system is serving.  
ie. In-Unit, Leasing Office, Fitness Center, Rec Room

Enter the system category.  
ie. Cooling, Heating, Cooling/Heating, Heat Pump

Enter identifiers – usually best to select descriptions which uniquely identify this system from other systems at the site.  
ie. Maker, Model Number

Choose one of the following HVAC system type.

Enter the total quantity of specified HVAC system at the site.

Enter the year the system was manufactured. This information can be found from the nameplate or by looking up the serial number.

Enter the thermostat type for this HVAC system.  
ie. On/Off, Programmable, Smart

Enter the capacity and efficiency of this HVAC system. These can be found from the nameplate or by looking up the model number. Typical capacity units are Btu/h, kBtu/h, and Ton. Typical efficiency units are EER, SEER, and COP for cooling and HSPF, COP, and AFUE for heating.



# Space Heating and Cooling Section

## Example 1



# Space Heating and Cooling Section

## Example 1 Continued

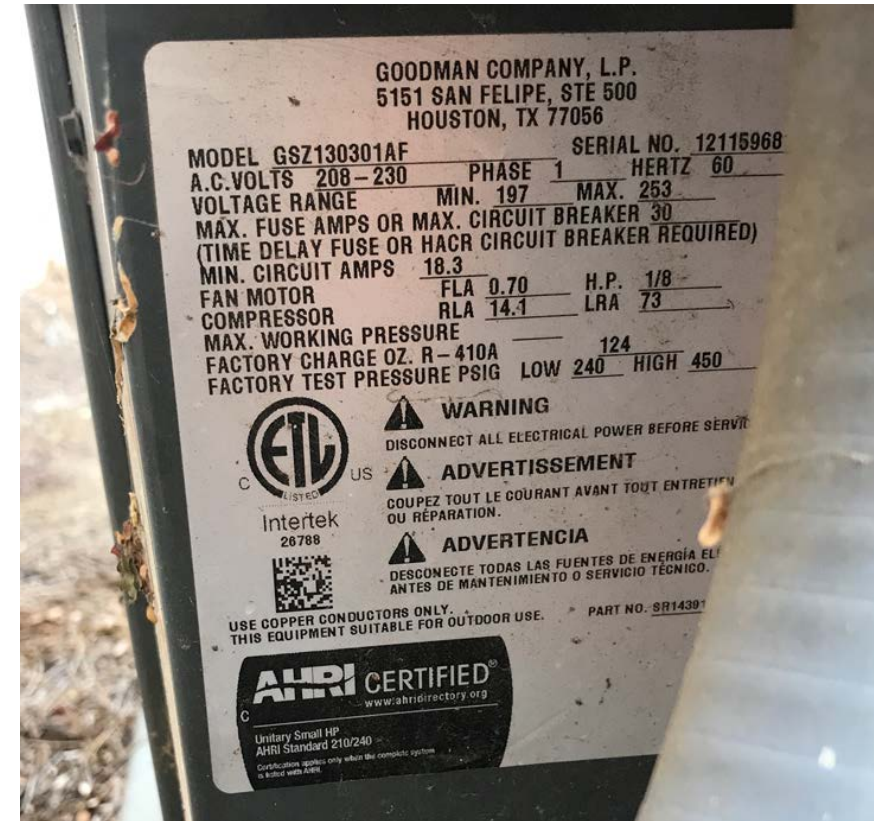
Heating and Cooling System		System 1
Location		In-Unit
HVAC System Category: (Cooling, Heating, Heat Pump)		Cooling
HVAC System Name		OLMO
<b>HVAC System Type:</b> <b>Cooling Systems</b> <ul style="list-style-type: none"> <li>Room AC</li> <li>Ducted Split System AC</li> <li>Packaged Terminal AC</li> <li>Air Cooled Chiller</li> <li>Water Cooled Chiller</li> <li>Roof Top AC</li> <li>Roof Top AC w/Economizer</li> </ul> <b>Heating Systems</b> <ul style="list-style-type: none"> <li>Baseboard Electric Resistance</li> <li>Hydronic</li> <li>Boiler - Gas</li> <li>Furnace – Gas</li> </ul> <b>Heat Pump</b> <ul style="list-style-type: none"> <li>Air Source Heat Pump</li> <li>Water Source Heat Pump</li> <li>Packaged Terminal Heat Pump</li> </ul>		Room AC
Qty of HVAC systems:		
System Age: (i.e. year manufactured)		2016
Thermostat type: (on/off, programmable, smart)		On/Off
Existing Capacity with unit (in Btu/h, KBtu/h, Ton)		12000/11700 Btu/h
Existing System Efficiency with units (Cooling - EER/SEER/COP; Heating – HSPF/COP/AFUE)		10.5 SEER





# Space Heating and Cooling Section

## Example 2

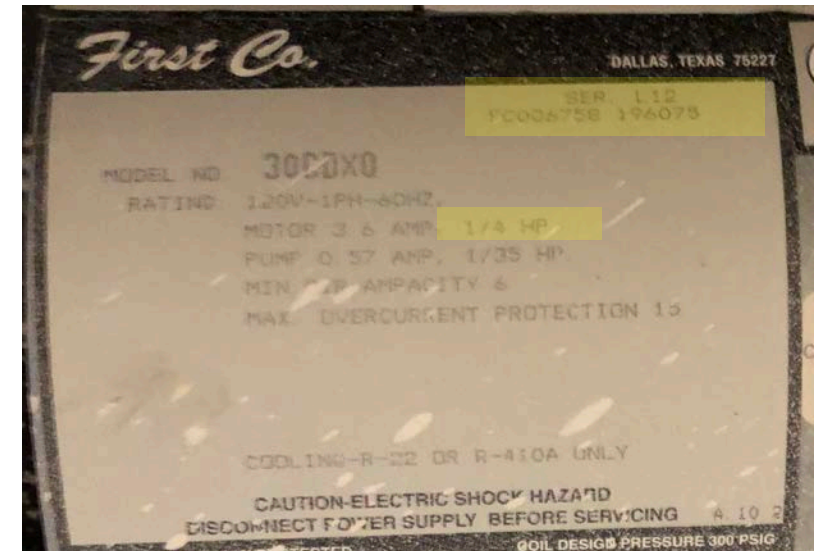
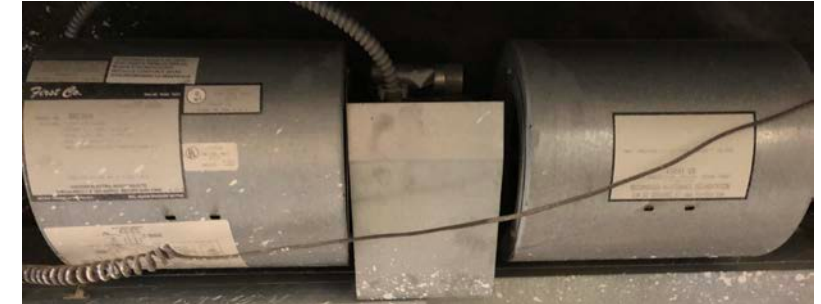




# Space Heating and Cooling Section

## Example 2 Continued

<b>Existing Fan Type:</b> (Air Handler Fan/Furnace Fan/None)	<b>Air Handler Fan</b>
<b>Existing Fan Quantity:</b>	<b>1</b>
<b>Existing Fan Control Type:</b> (Constant Speed/Variable Speed)	<b>Constant Speed</b>
<b>Existing Fan HP (Horsepower)</b>	<b>1/4 HP</b>
<b>Existing Fan Age (Year manufactured)</b>	<b>2012</b>
<b>% of ducts located within conditioned spaces:</b> <input type="checkbox"/> 90% or More <input type="checkbox"/> 50% - 89% <input checked="" type="checkbox"/> Less than 50%	
<b>How thick is the insulation on the ducts located outside of conditioned space (inches) ?</b>  <input type="checkbox"/> $\geq 2$ (R-8 or Greater) <input type="checkbox"/> 1.5 – 1.9 (R-4 to R-7) <input type="checkbox"/> $< 1.5$ (Less than R-4) <input checked="" type="checkbox"/> Do Not Know	






# Intake Form Walkthrough Domestic Hot Water Section

Domestic Hot Water	System 1	
<b>Location</b> (i.e. Rooftop Apartments, Common Laundry)		This is where the DHW boiler/heater is located.
<b>DHW System Name:</b> (use any unique identifier)		Enter identifiers – usually best to select descriptions which uniquely identify this system from other systems at the site (ex. Bldg. 1 central heater, studio DHW and hydronic heater, common area DHW heater etc.).
<b>DHW System Category:</b> (Choose 1 per System) <ul style="list-style-type: none"> <li>• Individual – Serve DHW only</li> <li>• Individual – Serve Space Heating &amp; DHW</li> <li>• Central – Serve DHW only</li> <li>• Central – Serve Space Heating &amp; DHW</li> </ul>		Enter system category as per description in this presentation – this should be based on function (DHW, DHW & Space Heating) and No. of units served.
<b>DHW System Type:</b> (Choose 1 per system) (electric storage tank, direct gas storage tank, indirect gas storage tank, heat pump water heater (HPWH), solar thermal)		Enter system type as per description in this presentation.
<b>Quantity</b> (Number of Boilers/Tanks)		This is the total quantity of boilers/heaters at the site under the listed “DHW System Name”.
<b>Energy Factor</b>		This information can be identified from heater nameplate or from the spec sheet using the make/model information.
<b>Thermal Efficiency</b>		Age can be determined from manufacture date on nameplate or from the serial number.
<b>Tank Size</b> (Gallons)		
<b>DHW System Age:</b> (i.e. year manufactured)		

# Domestic Hot Water Section Example



	NATL. BD. 284235	<b>NON-AUTOMATIC CIRCULATING TANK WATER HEATER</b>	
	CERTIFIED BY <b>RAYPAK, INC.</b> OXNARD, CALIFORNIA	FOR EITHER DIRECT VENT INSTALLATION OR FOR INSTALLATION USING INDOOR COMBUSTION AIR.	
MAX ALLOWABLE W.P. 160 PSI MAX ALLOWABLE BTU/HR. INPUT 750,000 MFR. SERIAL NO. 0806284235		FOR EITHER INDOOR OR OUTDOOR INSTALLATION AS SHOWN BELOW	
<b>FOR YOUR SAFETY</b> DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS OR LIQUIDS OR OTHER COMBUSTIBLE MATERIALS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE. TO DO SO MAY RESULT IN EXPLOSION OR FIRE.		<b>MIN. CLEARANCES FROM COMBUSTIBLE CONSTRUCTION</b>	
 MODEL NO. WH3-0752B BTU/HR. INPUT 750,000 RECOVERY RATING, GPH 773 GAS NAT ACCEPTED FOR USE CITY OF NEW YORK DEPARTMENT OF BUILDINGS MEA NO 506-04-E CRN NO. T3164.4539087YTN12 CHX CRN NO. M2108.5142789TN0Y3 "Pat. 7,044,124" ANS Z21.10.3 CSA 4.3-2004 GAS WATER HEATERS SUITABLE FOR WATER (POTABLE) HEATING AND SPACE HEATING THERMAL EFFICIENCY 85% MEASURED STORAGE VOLUME LESS THAN 10 GAL		INDOOR CLOSET OUTDOOR	
		WATER SIDE 12" RIGHT SIDE 36" OTHER SIDE 1" LEFT SIDE 36" BACK 1" BACK 12" TOP 1" TOP UNOBSTRUCTED VENT 2" FOR SERVICING, PROVIDE AT LEAST 24" OF UNOBSTRUCTED CLEARANCE IN FRONT OF UNIT.	
		FOR INSTALLATION ON COMBUSTIBLE FLOORING	
		MAX. PERMISSIBLE GAS SUPPLY PRESSURE NAT 10.5" W.C. LPG 13" W.C.	
		MIN. PERMISSIBLE DYNAMIC GAS SUPPLY PRESSURE FOR PURPOSE OF INPUT ADJUSTMENT 7" W.C. 12" W.C.	
		MANIFOLD PRESSURE 3.5" W.C. 10.5" W.C.	
		ELECTRICAL RATING: 120/24V 60 HZ. LESS THAN 8 AMPERES ph. 901737	



# Domestic Hot Water Section Example Continued

Domestic Hot Water	System 1
<b>Location</b> (i.e. Rooftop Apartments, Common Laundry)	Rooftop Apartments
<b>DHW System Name:</b> (use any unique identifier)	Raypak
<b>DHW System Category:</b> (Choose 1 per System) <ul style="list-style-type: none"> <li>• Individual – Serve DHW only</li> <li>• Individual – Serve Space Heating &amp; DHW</li> <li>• Central – Serve DHW only</li> <li>• Central – Serve Space Heating &amp; DHW</li> </ul>	Central Serve DHW Only
<b>DHW System Type:</b> (Choose 1 per system) (electric storage tank, direct gas storage tank, indirect gas storage tank, heat pump water heater (HPWH), solar thermal)	Indirect Gas Storage Tank
<b>Quantity</b> (Number of Boilers/Tanks)	1/1
<b>Energy Factor</b>	-
<b>Thermal Efficiency</b>	85%
<b>Tank Size</b> (Gallons)	175 Gallons
<b>DHW System Age:</b> (i.e. year manufactured)	2008



# Intake Form Walkthrough

The date of manufacture is coded in the 1st through 4th digits of the serial number; and represent the year and month of production.

For example:



# Intake Form Walkthrough Water Fixtures Section

Water Fixtures	Bathroom Faucet	Showerhead	Kitchen Faucet
Average number of fixtures in each apartment?	1	1	1
Flow Rates (Gallons Per Minute) (List all flow rates seen)	1.8, 1.5	2.0	2.2, 1.5
Which DHW system serves these fixtures? (use name from 'Domestic Hot Water' section)	Raypak	Raypak	Raypak
What % of units have low flow showerheads? (Choose 1) <i>0% of units, &lt;25% , 25%-49%, 50%-74%, 75%-99%, all (low flow showerheads = flow rate of 1.5 GPM or less)</i>	-	0% of units	-
What % of units have low flow faucets? (Choose 1) <i>0% of units, &lt;25% , 25%-49%, 50%-74%, 75%-99%, all (low flow bathroom faucets = 1 GPM or less, low flow kitchen faucets = 1.5 GPM or less)</i>	0% of units	-	<25%



# Intake Form Walkthrough Lighting Inventor Section Example 1

<b>Lighting Inventory</b>							
<b>Location Notes<sup>1</sup></b>	<b>Lighting Location<sup>2</sup></b>	<b>Conditioned (yes/no)</b>	<b>System Name<sup>3</sup></b>	<b>W/lamp</b>	<b>Lamps/Fixture</b>	<b>Fixtures /Area</b>	<b>OCC Control (Yes/No)</b>
<b>Unit #219 - 1B/1b Bathroom Vanity</b>	<b>Apartment</b>	<b>Yes</b>	<b>7W A 19 LED</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>Yes</b>

<sup>1</sup>Location notes: must indicate inspected unit and unit type if location is in apartment  
(example: Unit #123 – 2B/1b – Kitchen Ceiling)

<sup>2</sup>Lighting Location: Apartment; Common Laundry; Corridors/Stairwell/Elevator – Conditioned;  
Corridors/Stairwell/Elevator – Unconditioned; Exterior Fitness Center; Lobby/Foyer; Mechanical  
Room/Closet; Meeting/Community Room; Office; Public Restroom; Staff Shop/Room

<sup>3</sup>Lighting Category: Incandescent Lamps; CFL; T-12 w/Ballast; T-8 w/Ballast; T-5 w/Ballast; T-8 Lamp;  
Exit Sign; Metal Halide; Mercury Vapor; High Pressure Sodium; Other; Pulse Start MH  
LED-PAR20/30/38/etc; LED R/BR; LED Lamp Glb; LED Lamp Candle.





# Intake Form Walkthrough – Lighting Inventor Section Example 2

Lighting Inventory							
Location Notes <sup>1</sup>	Lighting Location <sup>2</sup>	Conditioned (yes/no)	System Name <sup>3</sup>	W/ Lamp	Lamps/ Fixture	Fixtures /Area	OCC Control (Yes/No)
<b>1st Floor Hallway</b>	<b>Corridors/ Stairwell/ Elevator - Conditioned</b>	<b>Yes</b>	<b>13W GU24</b>	<b>13</b>	<b>2</b>	<b>14</b>	<b>No</b>

<sup>1</sup>Location notes: must indicate inspected unit and unit type if location is in apartment  
(example: Unit #123 – 2B/1b – Kitchen Ceiling)

<sup>2</sup>Lighting Location: Apartment; Common Laundry; Corridors/Stairwell/Elevator – Conditioned;  
Corridors/Stairwell/Elevator – Unconditioned; Exterior Fitness Center; Lobby/Foyer; Mechanical  
Room/Closet; Meeting/Community Room; Office; Public Restroom; Staff Shop/Room

<sup>3</sup>Lighting Category: Incandescent Lamps; CFL; T-12 w/Ballast; T-8 w/Ballast; T-5 w/Ballast; T-8 Lamp;  
Exit Sign; Metal Halide; Mercury Vapor; High Pressure Sodium; Other; Pulse Start MH  
LED-PAR20/30/38/etc; LED R/BR; LED Lamp Glb; LED Lamp Candle.





# Intake Form Walkthrough – Proposed Lighting Section

[illegible]

# Assessment Report

**Table 1: Summary of Recommended Energy Efficiency Measures (EEMs)**

Measure No.	Proposed Measure	% Savings	Cost Savings and Payback			Maximum Estimated Incentive**
			Measure Initial Cost	Measure Annual Cost Savings	Measure Payback Period (Yr) (w/o Incentives)	
1	Upgrade In-Unit Lighting	2.3%	\$8,890	\$1,734	5	\$61,200
2	Upgrade Common Area Lighting	4.5%	\$9,246	\$3,413	3	
3	Install Lighting Controls	0.3%	\$14,680	\$198	74	
4	Low Flow Faucet Aerators and Showerheads	3.2%	\$2,206	\$629	4	
5	Install Thermostatic Shut-off Valve on Showerheads	0.8%	\$3,048	\$158	19	
6	Insulate Exposed Domestic Hot Water Piping	0.7%	\$2,650	\$128	21	
7	Install Smart Thermostats	2.2%	\$9,880	\$1,644	6	
8	Install ENERGY STAR Clothes Washers	1.7%	\$13,296	\$472	28	
9	Install Central Brushless Fan Motor for Central Air Conditioner	1.3%	\$19,631	\$957	21	
10	Install High Efficiency Domestic Hot Water Heater	12.3%	\$150,241	\$2,414	62	
11	Install High Efficiency Heating and Cooling Systems	4.7%	\$47,231	\$3,544	13	
12	Install Window Film	1.4%	\$22,413	\$1,031	22	
<b>TOTAL</b>		<b>35.1%</b>	<b>\$303,412</b>	<b>\$16,321</b>	<b>19</b>	

\*\* Actual Incentive amount varies depending on final scope of work. At 35.1% possible energy savings, this project's maximum estimated incentive is determined from the incentive rate of \$1,200/unit for the 51 units at this multifamily site, capped at 75% of project cost.

# Assessment Report

## Low Flow Faucet Aerators and Showerheads

### 3.4 EEM #4: Install Low Flow Faucet Aerators and Showerheads

Location	Proposed System	Proposed Flow Rate (Gallon Per Minute)	Annual Savings		Quantity	Total Initial Cost	Total Annual Cost Savings	Payback Period (Years)	Useful Life (Years)
			Electricity (kWh)	Gas (Therms)					
In-Unit Bathrooms	Low Flow Faucet Aerator / Bathroom	0.5	0	32	43	\$536	\$36	15	11
In-Unit Kitchens	Low Flow Faucet Aerator / Kitchen	1.5	0	134	43	\$536	\$151	4	11
In-Unit Showers	Low Flow Showerhead	1.25	0	391	51	\$1,133	\$442	3	11
<b>TOTAL</b>			<b>0</b>	<b>557</b>	<b>137</b>	<b>\$2,206</b>	<b>\$629</b>	<b>4</b>	<b>11</b>

Water Fixtures	Bathroom Faucet	Showerhead	Kitchen Faucet	Other
Average number of fixtures in each apartment?	1	1	1	
Flow Rates (Gallons Per Minute) (List all flow rates seen)	2.0, 1.5; 8 units with 0.5	2.0	1.8; 8 units with 0.5	
Which DHW system serves these fixtures? (use name from 'Domestic Hot Water' section)	AO Smith /Bradford White	AO Smith /Bradford White	AO Smith /Bradford White	
What % of units have low flow showerheads? (Choose 1) ▪ 0% of units, <25% , 25%-49%, 50%-74%, 75%-99%, all (low flow showerheads = flow rate of 1.5 GPM or less)		0% of Units		
What % of units have low flow faucets? (Choose 1) ▪ 0% of units, <25% , 25%-49%, 50%-74%, 75%-99%, all (low flow bathroom faucets = 1 GPM or less, low flow kitchen faucets = 1.5 GPM or less)	<25%		<25%	

# Reservation Letter

Water Fixtures	Bathroom Faucet	Showerhead	Kitchen Faucet
<b>Average number of fixtures in each apartment?</b>	1.5	1.5	1
<b>Average Flow Rate (Gallons Per Minute)</b>	1.2	1.75	1.5
<b>Which DHW system serves these fixtures?</b> (use name from 'Domestic Hot Water' section)	Bradford White	Bradford White	Bradford White
<b>Are current showerheads low flow shower heads?</b> <ul style="list-style-type: none"> <li>No</li> <li>Yes: &lt;25% of Units, 25%-49%, 50%-74%, 75%-99%, all (low flow showerheads = flow rate of 2 gallons per minute or less)</li> </ul>		Yes	
<b>Are current faucets low flow faucets?</b> <ul style="list-style-type: none"> <li>No</li> <li>Yes: &lt;25% of Units, 25%-49%, 50%-74%, 75%-99%, all (low flow faucets = flow rate of 1.5 gallons per minute or less)</li> </ul>	Yes		Yes

Clothes Washers	System 1	System 2	System 3
<b>Location</b>	In Unit		
<b>Where are the clothes washer(s) and dryers located?</b> (apartments, common area)	Apartments		
<b>How many washers are in the building?</b>	1 per unit		
Make/Model of clothes washer:	Whirlpool WTW5100VQ0		
Make/Model of dryer:	Whirlpool WGD5100VQ0		
<b>Clothes Washer/Dryer Type / Age:</b> <ul style="list-style-type: none"> <li>NON-ENERGY STAR / After 2006</li> <li>NON-ENERGY STAR / After 1996-2005</li> <li>NON-ENERGY STAR / After 1986-1995</li> <li>NON-ENERGY STAR / Before 1985</li> <li>Typical ENERGY STAR</li> </ul>	Non-Energy Star / After 2006		
<b>Which DHW system serves the washers?</b> (use 'System Name' from DHW section above)	Bradford White		
<b>What type of dryers are in the building?</b> <ul style="list-style-type: none"> <li>(electric, natural gas, none)</li> </ul>	Gas		
Capacity (Cubic Feet)			

August 8, 2019

Project Number:  
Program: SoCalREN Multifamily Program

Dear

Thank you for submitting your project through the Southern California Regional Energy Network (SoCalREN) Multifamily Program. Your project has been initially reviewed and all documentation is complete.

Your agreed upon scope of work is estimated to achieve an approximate energy savings of 15.6% and includes the following project measures:

Recommended Energy Efficiency Measures		
EEM#	Measure Description	%Savings
1	Upgrade Apartment Lighting	1.5%
2	Upgrade Common Area and Exterior Lighting	6.0%
3	Install DHW Recirculation Control	5.0%
4	Install Uninsulated DHW Piping	0.1%
5	Install Low Flow Sink Aerators and Showerheads with Thermostatic Vavies	2.6%
6	Install ENERGY STAR® Front-loading Clothes Washers	0.3%
Totals		15.6%

An incentive of \$51,750 has been reserved for your project based on the estimate provided in the property assessment. In order to receive this level of assessment you/your contractors must adhere to the levels of efficiency outlined in the assessment report and the installed measures must be above code. The incentive will be capped at 75% of the total actual project cost, or the maximum incentive per unit, whichever is less.

If a portion of the scope (as described in the assessment report) is completed but not all, the final savings and incentive level will be calculated based upon the actual scope completed.

# Questions?

Thank You!