October 3rd

Momentum Savings Monthly Call

hello

MY NAME IS
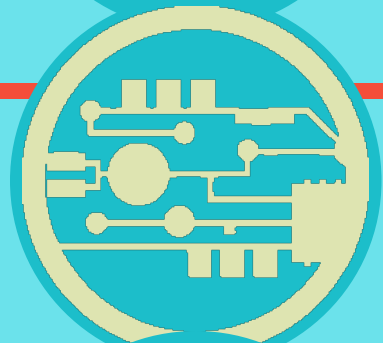
Project Updates

Market	Project	Status	Lead
Nonresidential Lighting	**Model Update**	Contracted	Jessica Aiona
	Market Intelligence	Recently Completed	
	Distributor Data Collection	Contracted	
	OLSA Pilot	Contracted	
Data Centers	**Model Input Data Gathering**	Pre-Contracting	
Residential HVAC	**Model Development**	Contracted	Bonnie Watson
	Sales Data Analysis		
	Installer Surveys		
	Smart T-Stats Market Characterization		
	Heat Pump Field Study Pilot	Contracted	Phillip Kelsven
	Heat Pump Field Study Full Effort	Pre-Contracting	
Residential Hot Water	**Model Development**	Contracted	Bonnie Watson
	Market Characterization	Pre-Contracting	

JESSICA

AIONA

Non-Residential Lighting Model

Purpose: Understand how total non-residential lighting consumption is changing over time and quantify momentum savings for the 7th Plan.

Upcoming Deliverables & Timing:

1. Updated model – December 2018

Non-Residential Lighting Market Intelligence

Model Momentum Savings	●
Model Input Development	●
Market Intelligence	✓
Baseline Study for RTF Measure	●

Purpose: Gather information about current and upcoming trends in the non-residential lighting market by attending LightFair and conducting interviews.

Upcoming Deliverables & Timing:

1. Shared LightFair findings during August monthly call

2. Market actor interview memo – November 2018

Non-Residential Lighting Sales Data

Model Momentum Savings	🔴
Model Input Development	✓
Market Intelligence	✓
Baseline Study for RTF Measure	🔴

Purpose: Gather annual non-residential lighting data from regional distributors. Data is used as a model input.

Upcoming Deliverables & Timing:

1. 2017 data collection effort just finished
2. 2018 data collection will begin in January 2019!

Outdoor Lighting Stock Assessment

Model Momentum Savings	●
Model Input Development	✓
Market Intelligence	✓
Baseline Study for RTF Measure	●

Purpose: Collect data on the outdoor lighting stock. Conduct a pilot study to test sampling approach and data collection protocols prior to full deployment.

Upcoming Deliverables & Timing:

1. CBSA coordination – ongoing
2. Develop initial data catalog and sample – December 2018
3. Complete pilot site visits – February 2018
4. Update data collection protocols – March 2018

Data Centers

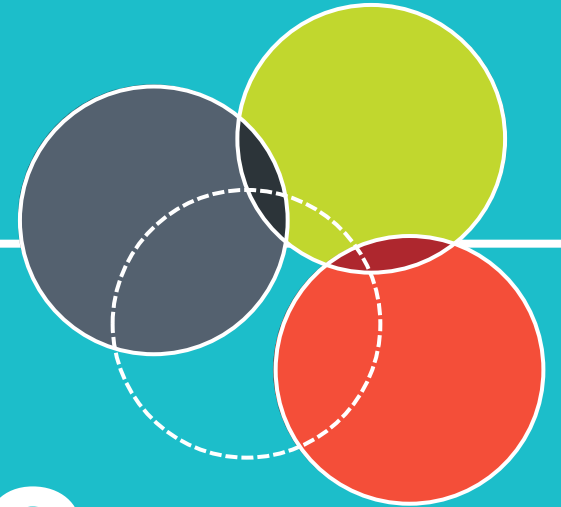|	
Model Momentum Savings	🔴
Model Input Development	✓
Market Intelligence	✓
Baseline Study for RTF Measure	🔴

Purpose: Collect data on the adoption of energy-efficiency practices in regional data centers and determine viability of developing a consumption model.

Upcoming Deliverables & Timing:

1. Data Collection Instrument – December 2018
2. Interviews – January-February 2019
3. Analysis and Reporting – March-April 2019

Comments or Questions?

Jessica Aiona, Project Manager
jlaiona@bpa.gov | 503.230.3601

BONNIE

WATSON

Residential HVAC Model

Model Momentum Savings	✓
Model Input Development	●
Market Characterization	●
Baseline Study for RTF Measure	●

Purpose: Understand how total residential HVAC electricity consumption is changing over time and quantify momentum savings for the 7th Plan.

Upcoming Deliverables & Timing:
Model & Report (Draft - February 2019)

HVAC Sales Data

Model Momentum Savings	🔴
Model Input Development	✓
Market Intelligence	✓
Baseline Study for RTF Measure	🔴

Purpose: Analyze HVAC sales data (input to stock turnover model) and share findings including:

- Assess data completeness/quality
- Develop a method for extrapolating/interpolating sample data to population (for residential measures only)
- Develop summary tables of analyzed/aggregated data
- Report out market trends

Upcoming Deliverables & Timing:

- Data gaps memo – October 2018
- Summary tables – October 2018
- Market trends presentation – December 5th Monthly Call & December 18th Brownbag

Email bfwatson@bpa.gov to get the invite

HVAC Installer Surveys

Model Momentum Savings ●
Model Input Development ✓
Market Intelligence ✓
Baseline Study for RTF Measure ●

Purpose: Understand what replaces what, and what is paired with what, for *recent installations of* all residential heating and cooling equipment. This is important to the stock turnover model.

Upcoming Deliverables & Timing:

- Analysis workbook – December 2018
- Memo – January 2019

Smart Thermostats Study

Model Momentum Savings	●
Model Input Development	✓
Market Intelligence	✓
Baseline Study for RTF Measure	●

Purpose: Gather information to help us think about how to incorporate smart thermostats into the res HVAC model.

Upcoming Deliverables & Timing:

- Technologies Matrix – October 2018
- Memo – October 2018

Heat Pump Field Study

Model Momentum Savings	⬤
Model Input Development	⬤
Market Intelligence	⬤
Baseline Study for RTF Measure	✓

Purpose: Results will inform the region about if/how installation practices in the general population have transformed since 2005. Results will be used to update the RTF baseline assumptions in SEEM for Commissioning, Controls, and Sizing measure. (Also impacts all heat pump measures)

Upcoming Deliverables & Timing:
Results in April/May 2019

Phillip Kelsven, Project Manager: pakelsven@bpa.gov | 503.230.4396

Residential Hot Water Model

Model Momentum Savings	✓
Model Input Development	●
Market Intelligence	●
Baseline Study for RTF Measure	●

Purpose: Understand how total residential hot water electricity consumption is changing over time and quantify momentum savings for the 7th Plan.

Upcoming Deliverables & Timing:
Model & Report (Draft – April 2019)

Hot Water Mkt. Characterization

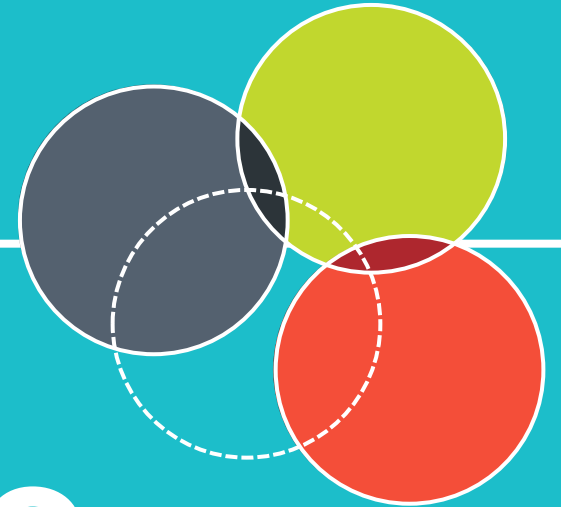| Model Momentum Savings	●
Model Input Development	✓
Market Intelligence	●
Baseline Study for RTF Measure	●

Purpose: Gather market intelligence via market actor interviews (phone and in-person at trade show) to corroborate model inputs and assumptions.

Upcoming Deliverables & Timing:

1. Attend trade show – February 2019
2. Complete phone interviews – April 2019
3. Draft findings memo – May 2019

See you November 7th!