

# Docket No. 17-035-61

## Phase II: Status Update

October 2, 2018



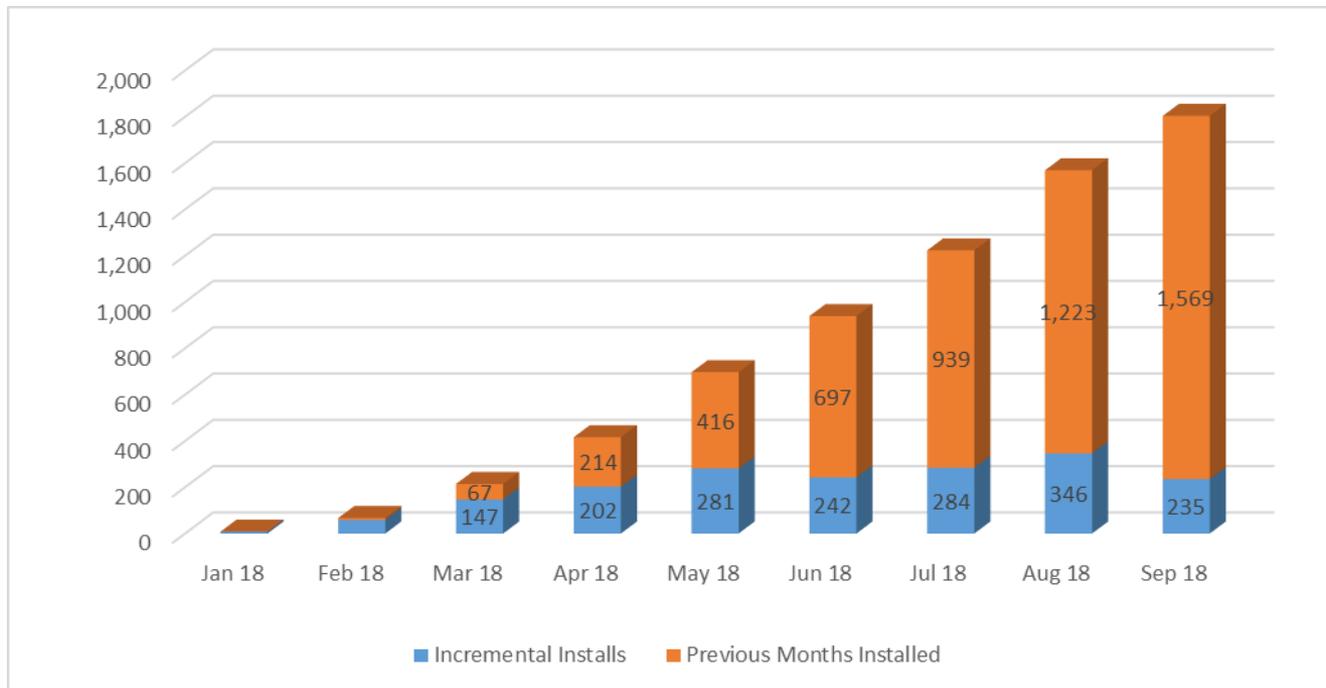
*Let's turn the answers on.*

# Presentation Overview

- Schedule 136 Status
- Production Sample Design
- Production Profile Installation Update
- Data review

# Schedule 136 Status

- As of September 25, 1,804 Schedule 136 customer meters installed



# Production Profile Sample Design

- Based on a population of 29,183 residential and 1,124 non-residential customers
- Relied on nameplate system capacity
- Schedule 136 customers were included as part of the residential population and had an equal probability of being selected for sample (360 customers)
- No commercial Schedule 136 customers had signed up at the time of sample design

# Production Profile Sample

- Residential sample required minimum of 12 production profile meters to achieve  $\pm 10\%$  at the 95% Confidence Level – increased to 45
- Non-residential sample required minimum of 52 – increased to 60

# Customer Generation Sample Design

## Utah Residential Customer Generation Load Research Study Design

Strata	Nameplate (kW)	Count	Mean Nameplate (kW)	Squared Nameplate (kW)	Standard Deviation	Required Sample	Supplemented Sample
1	0-4	6,364	2.76	54,637	1.00	2	10
2	4-7	13,528	5.45	409,732	0.78	5	14
3	7-10	6,678	8.30	464,288	0.80	2	10
4	10-25	2,613	13.05	473,679	3.30	3	11
Total		29,183	6.19			12	45

## Utah Non-Residential Customer Generation Load Research Study Design

Strata	Nameplate (kW)	Count	Mean Nameplate (kW)	Squared Nameplate (kW)	Standard Deviation	Required Sample	Supplemented Sample
1	0-27	677	13.86	171,167	7.79	12	14
2	27-100	376	40.18	700,154	15.75	13	15
3	100-560	51	240.69	3,612,950	114.76	13	15
4	560-1,885	20	938.13	19,577,469	322.48	14	16
Total		1,124	49.41			52	60

# Customer Communication

- Four customer specific methods to notifying customers of their selection in the study
  - Non-Residential
    - Managed customers notified by account managers
    - Non-managed customers received physical mailer
  - Residential
    - Received physical mailer and a thank you LED lightbulb
    - Rental property owners also received notification

# Production Meter Installation Status

	Production Meter Base Installed	Bi-directional Profile Meter Installed	Production Meter and Bi- directional Meter Installed
Residential Completed	41	36	36
Non-residential Completed	55	46	46
Total Completed	96	82	82
Remaining	9	23	23

# Production Sample Alternates

Reason	Count	Summary
Refused	8	Refused to participate
Access Issues	4	Power disconnect located inside inaccessible locations
Safety/Engineering Concern	4	Dogs, rewire needed and flash concerns
Engineering	3	Production meter installation would not measure system output given site engineering
Solar Removed	1	Solar system removed in 2018
Customer Service Concerns	1	Would result in interruption to customer operations for approximately a week
Total	21	

# Engineering Concern Example



# Safety Concern Example



# Customer Service Concern Example

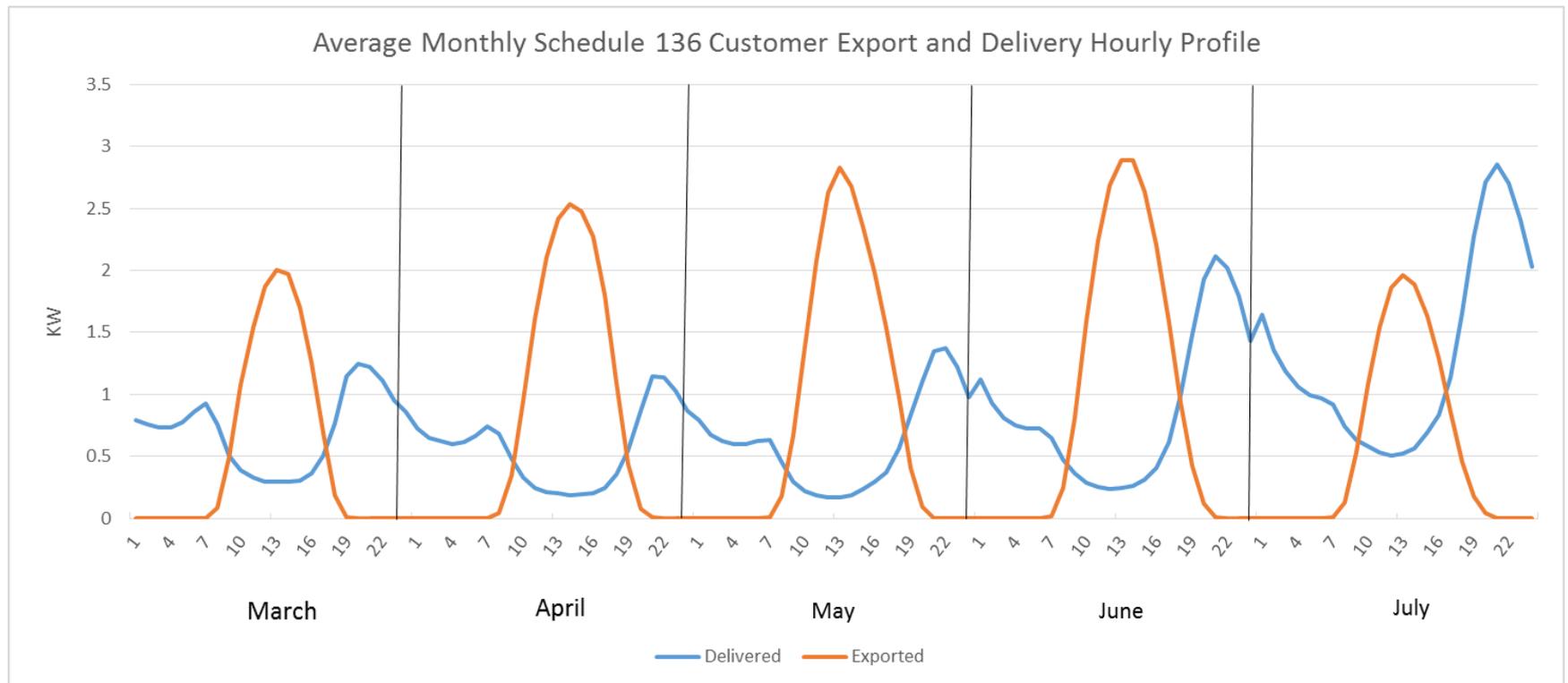


# Access Issue Example



# Schedule 136

## Exports and Deliveries



# Schedule 136 and Schedule 1 Deliveries

