Disclaimer for Customer Training: *ISO New England (ISO) provides training to enhance participant and stakeholder understanding. Not all issues and requirements are addressed by the training. Consult the effective Transmission, Markets and Services Tariff and the relevant Market Manuals, Operating Procedures and Planning Procedures for detailed information. In case of a discrepancy between training provided by ISO and the Tariff or Procedures, the meaning of the Tariff and Procedures shall govern.*

March 27, 2018
Webinar

Demand Response Auditing

Jim Nichols

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This presentation was updated on 09/13/2024. Impacted slides are noted.

Acronyms

ADCR	active demand capacity resource	**NCPC**	Net Commitment-Period Compensation
ATT	Audit and Testing Tool	**NERC**	North American Electric Reliability Corporation
CAMS	Customer Asset Management System	**PRD**	price-responsive demand
CCA	claimed capability audit	**RTU**	remote terminal unit
DDE	demand-designated entity	**SA**	security administrator
DDP	desired dispatch point	**SMD**	Standard Market Design
DRA	demand response asset	**TMSR**	10-minute synchronized reserves
DRR	demand response resource	**TMNSR**	10-minute non-synchronized (nonspinning) reserves
DRMUI	Demand Response Market User Interface	**TMOR**	30-minute operating reserves
FRPP	forward reserve procurement period	**UCM**	unit control mode

Price-Responsive Demand Training

Release Date	Training Title
Oct 23, 2017	Demand Resources Working Group: Fully Integrated Price Responsive Demand Presentation
Nov 7, 2017	Price-Responsive Demand Overview
Feb 28, 2018	Energy Market Offers & Asset Management
Mar 8, 2018	Q1 Settlements Forum
Mar 22, 2018	Demand Response Registration
Mar 27, 2018	Demand Response Auditing
Mar 29, 2018	Passive Demand Resource Registration and Auditing

References

Operating Procedures

- No. 8 – Operating Reserve and Regulation
- No. 23 – Generator Resource Auditing

Manuals

- M-MVDR – Measurement and Verification of Demand Reduction Value from Demand Resources
- M-RPA – Registration and Performance Auditing

Tariff

- III.1.5.1 – Claimed Capability Audits
- III.1.7.12 – Seasonal DR Audit Value of an Active Demand Capacity Resource*

** Will be in the revised Tariff*

Purpose of This Training

Prepare active demand resources for the new or changing audit requirements that will go into effect with price-responsive demand (PRD) on June 1, 2018

Topics

Seasonal DR audits for active demand response resources (DRR)

- Auditing rules and requirements
- DR Auditing and Testing Tool (ATT)
- Live software demo

Claim 10/30 DR audits for active DRR

Reserves

Claimed Capability Auditing (CCA) for Demand Response

Jim Nichols

Information About Audits in the Tariff

Specific Locations

PRD rules go into effect on June 1, 2018

Market Rule 1

- III.1.5.1 – Claimed Capability Audits
  - III.1.5.1.1 – General Audit Requirements
  - III.1.5.1.3.1 – Seasonal DR Audits
  - III.1.5.1.4 – ISO Initiated Claimed Capability Audits
- III.1.7.12 – Seasonal DR Audit Value of an Active Demand Capacity Resource

Claimed Capability Auditing for DR

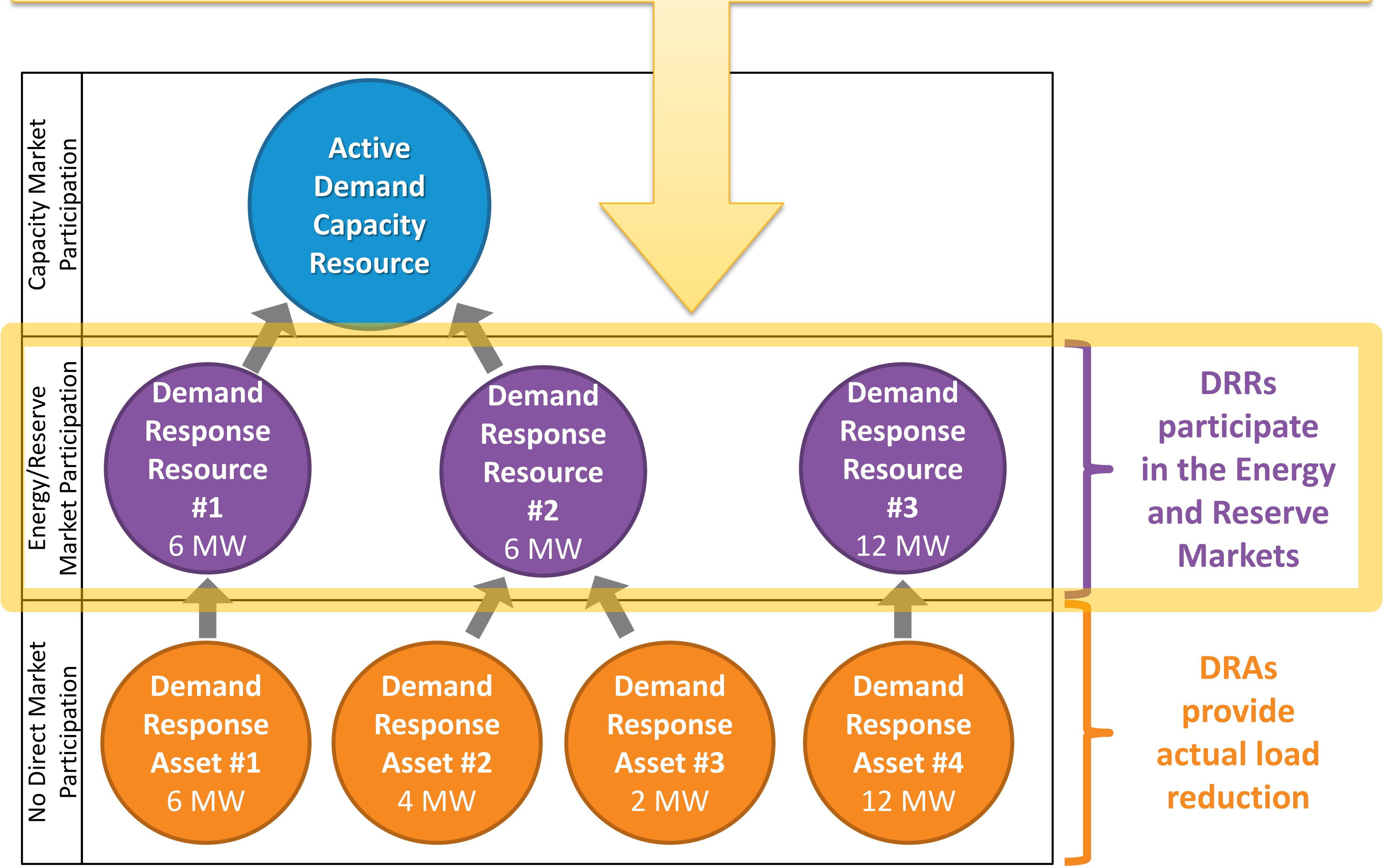
Main Topics

Auditing rules and requirements

Auditing and Testing Tool (ATT)

- Including live demo

Claimed Capability Audits Are Performed by DRRs



Capacity Market Participation

Energy/Reserve Market Participation

No Direct Market Participation

Active Demand Capacity Resource

Demand Response Resource #1 6 MW

Demand Response Resource #2 6 MW

Demand Response Resource #3 12 MW

Demand Response Asset #1 6 MW

Demand Response Asset #2 4 MW

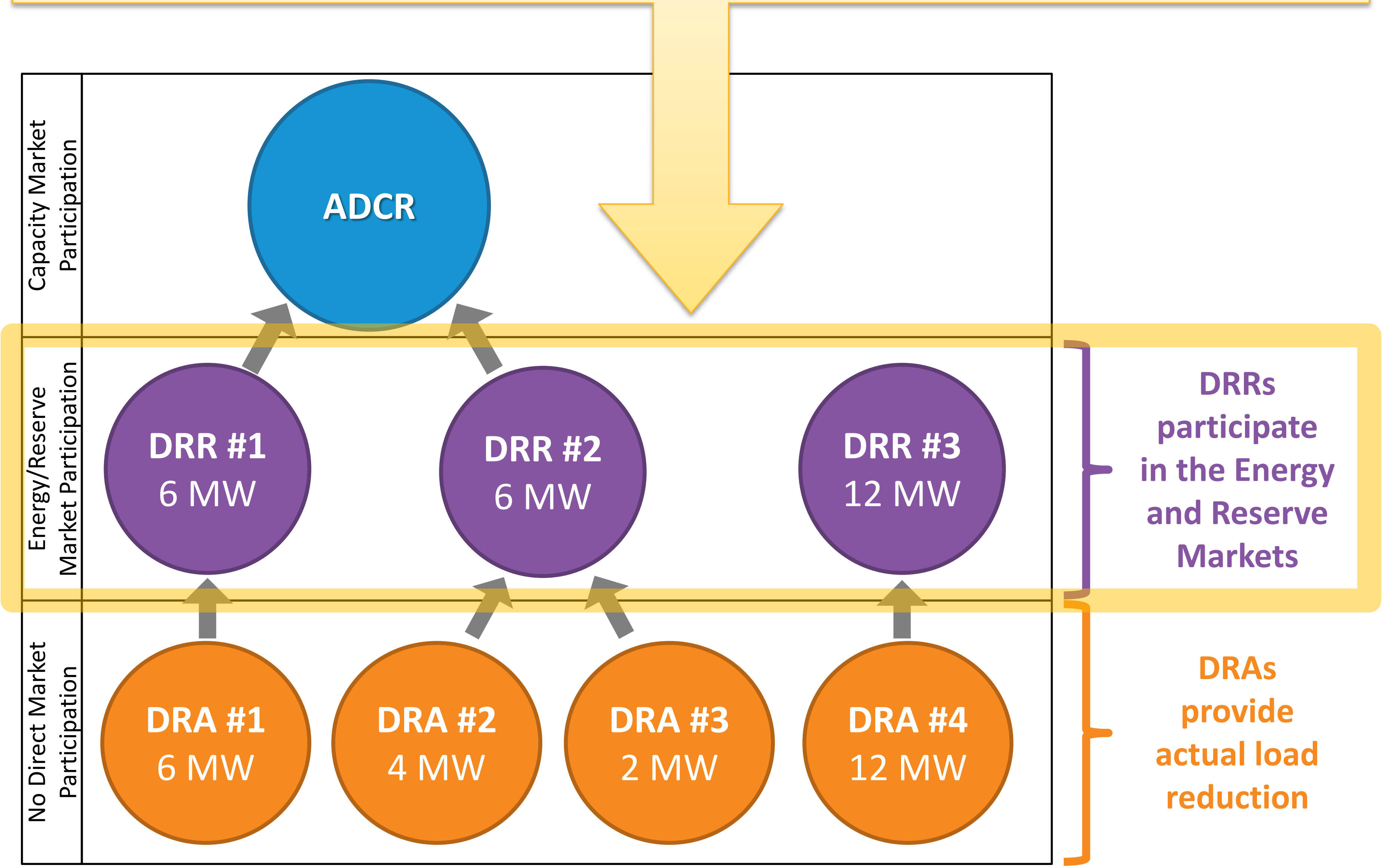
Demand Response Asset #3 2 MW

Demand Response Asset #4 12 MW

DRRs participate in the Energy and Reserve Markets

DRAs provide actual load reduction

Claimed Capability Audits Are Performed by DRRs


Capacity Market Participation
Energy/Reserve Market Participation
No Direct Market Participation
ADCR
DRR #1 6 MW
DRR #2 6 MW
DRR #3 12 MW
DRA #1 6 MW
DRA #2 4 MW
DRA #3 2 MW
DRA #4 12 MW

DRRs participate in the Energy and Reserve Markets

DRAs provide actual load reduction

Types of CCAs

Seasonal DR audit

- Customer initiated
  - Request to be dispatched for an audit
  - Use a past dispatch

ISO-initiated audit

- A seasonal DR audit that is initiated by the ISO

Seasonal DR Audits

Audit Seasons

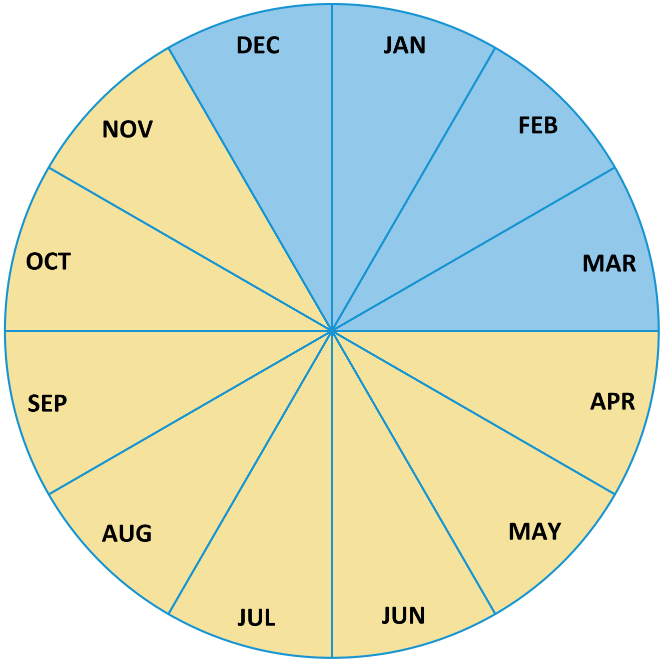
Seasonal DR audits determine the ability of a DRR to perform during specified months for a specified duration

Summer seasonal DR audit must be conducted:

- At least once every capability demonstration year
- During the months of April through November

Winter seasonal DR audit must be conducted:

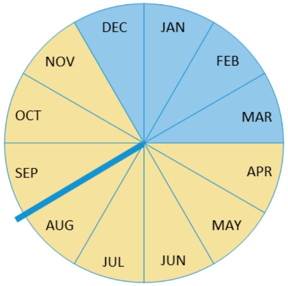
- At least once every capability demonstration year
- During the months of December through March



You can submit multiple audits for a DRR

Capability Demonstration Year

September 1 through August 31


DEC
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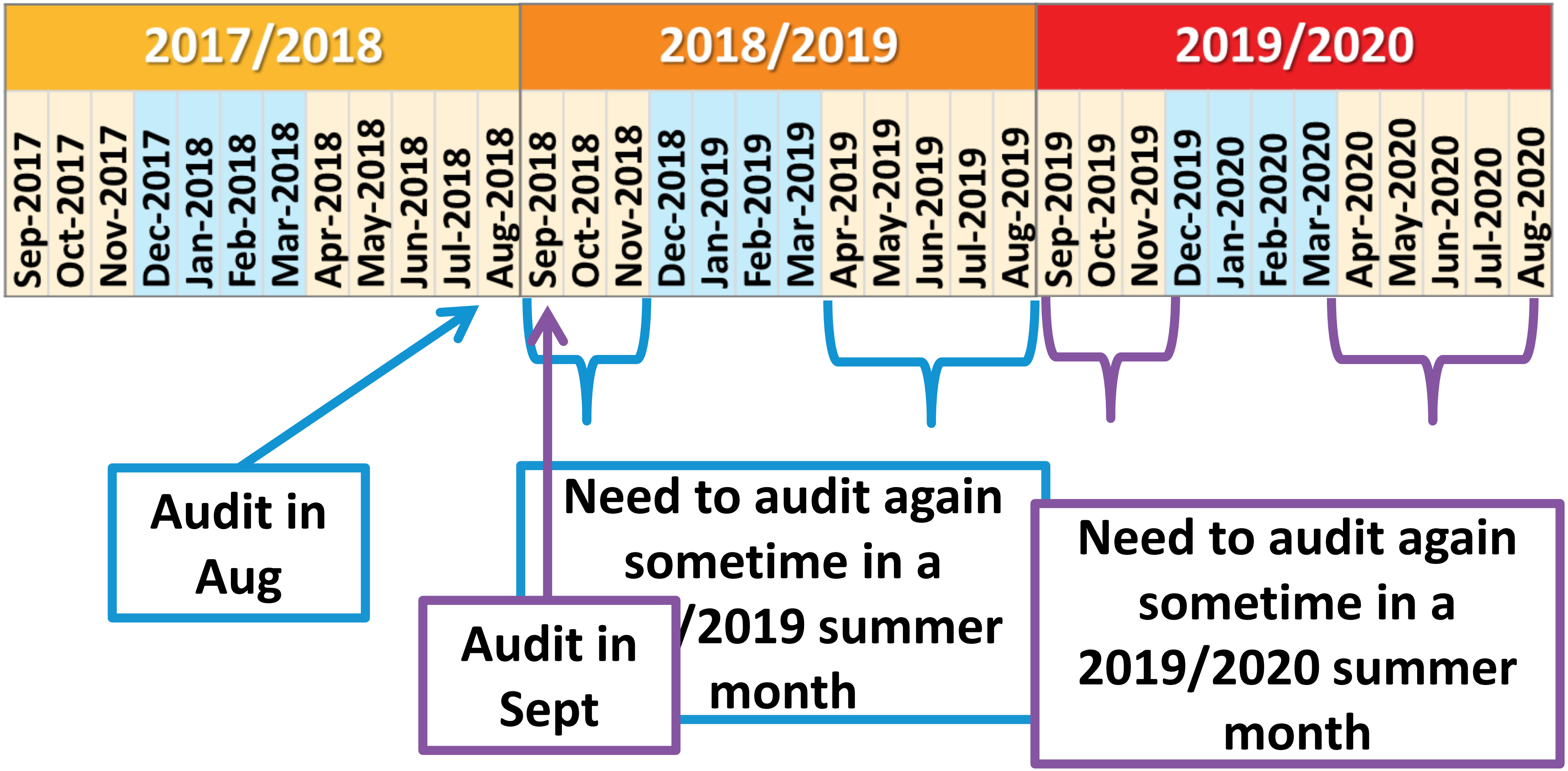
2017/2018
2018/2019
2019/2020
Sep-2017
Oct-2017
Nov-2017
Dec-2017
Jan-2018
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Oct-2019
Nov-2019
Dec-2019
Jan-2020
Feb-2020
Mar-2020
Apr-2020
May-2020
Jun-2020
Jul-2020
Aug-2020

Audit in Aug

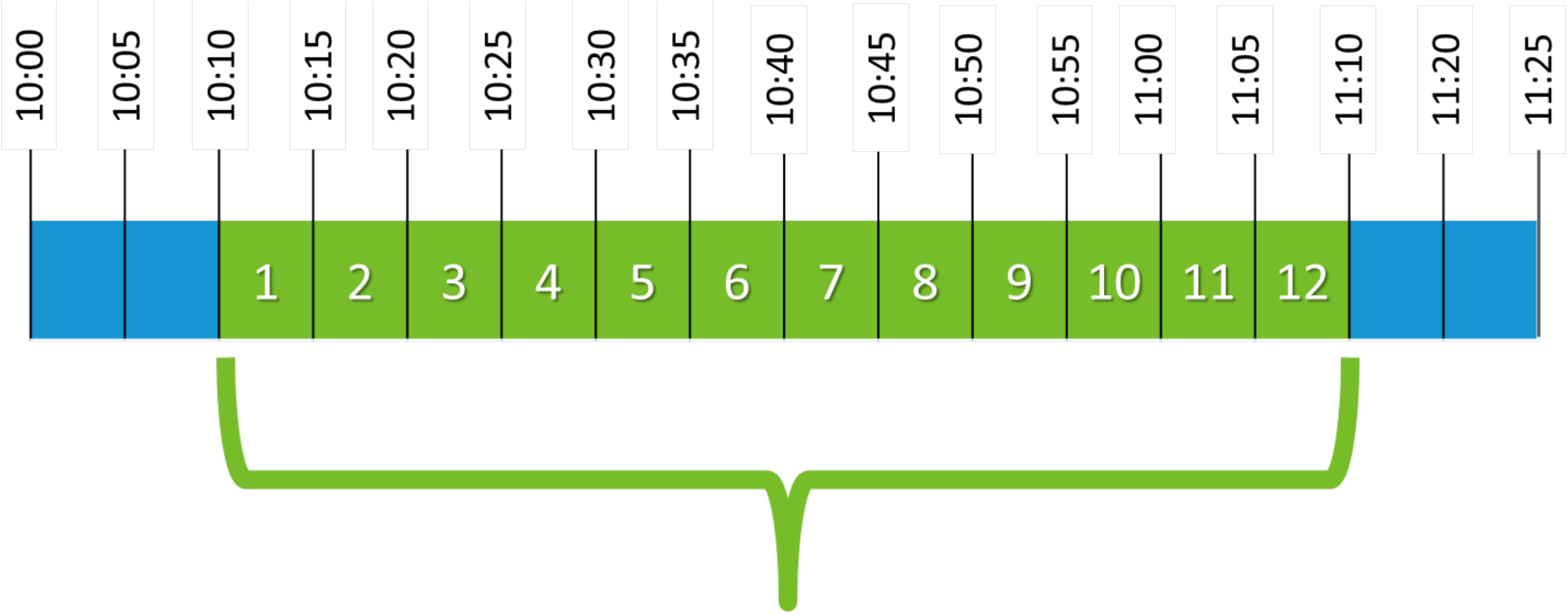
Need to audit again sometime in a /2019 summer month

Audit in Sept

Need to audit again sometime in a 2019/2020 summer month

Audit Time Requirement

Performed for 12 contiguous 5-minute intervals


10:00
10:05
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10:15
10:20
10:25
10:30
10:35
10:40
10:45
10:50
10:55
11:00
11:05
11:10
11:20
11:25
1
2
3
4
5
6
7
8
9
10
11
12

12 contiguous 5-min intervals

Submitting an Audit: 2 Options

Request Audit Dispatch

Use Past Dispatch

Option: Request Audit Dispatch

Request Audit Dispatch

- You enter your request via ATT
- ISO will dispatch between 0800 and 2200
  - Non-NERC holiday weekday
  - Within 5 business days following the request
  - Specific date and time unannounced

- Dispatch instruction will contain an audit flag and will order DRR to its offered max reduction
  - Audit start will be the first 5-minute interval after sufficient time has been allowed for your resource to ramp
    - Based on its demand reduction offer parameters in eMarket
  - You don't qualify for Net Commitment-Period Compensation (NCPC) if you request a dispatch for an audit

Cancelling an Audit – 2 Steps

Request Audit Dispatch

Lead market participant may cancel an audit request

prior to issuance of the audit dispatch instruction

Perform *both* of these actions to ensure DRR is not dispatched:

1. Demand-designated entity (DDE) call ISO control room
2. Cancel audit request in ATT (person with lead market participant access)

①

DDE call ISO control room

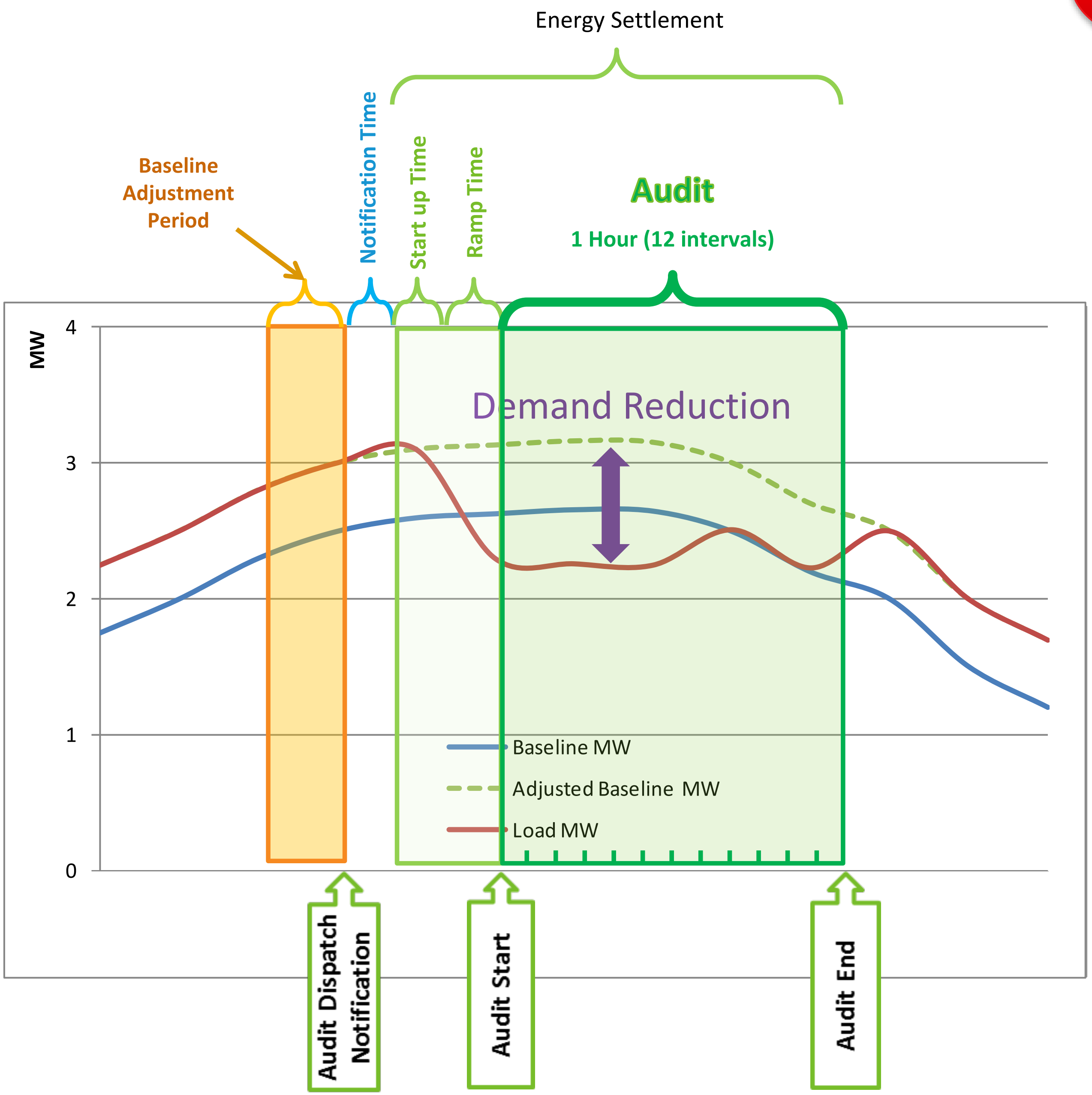
+

②

Cancel audit Request in ATT

Audit Period for ISO Dispatch - Fixed

Request Audit Dispatch



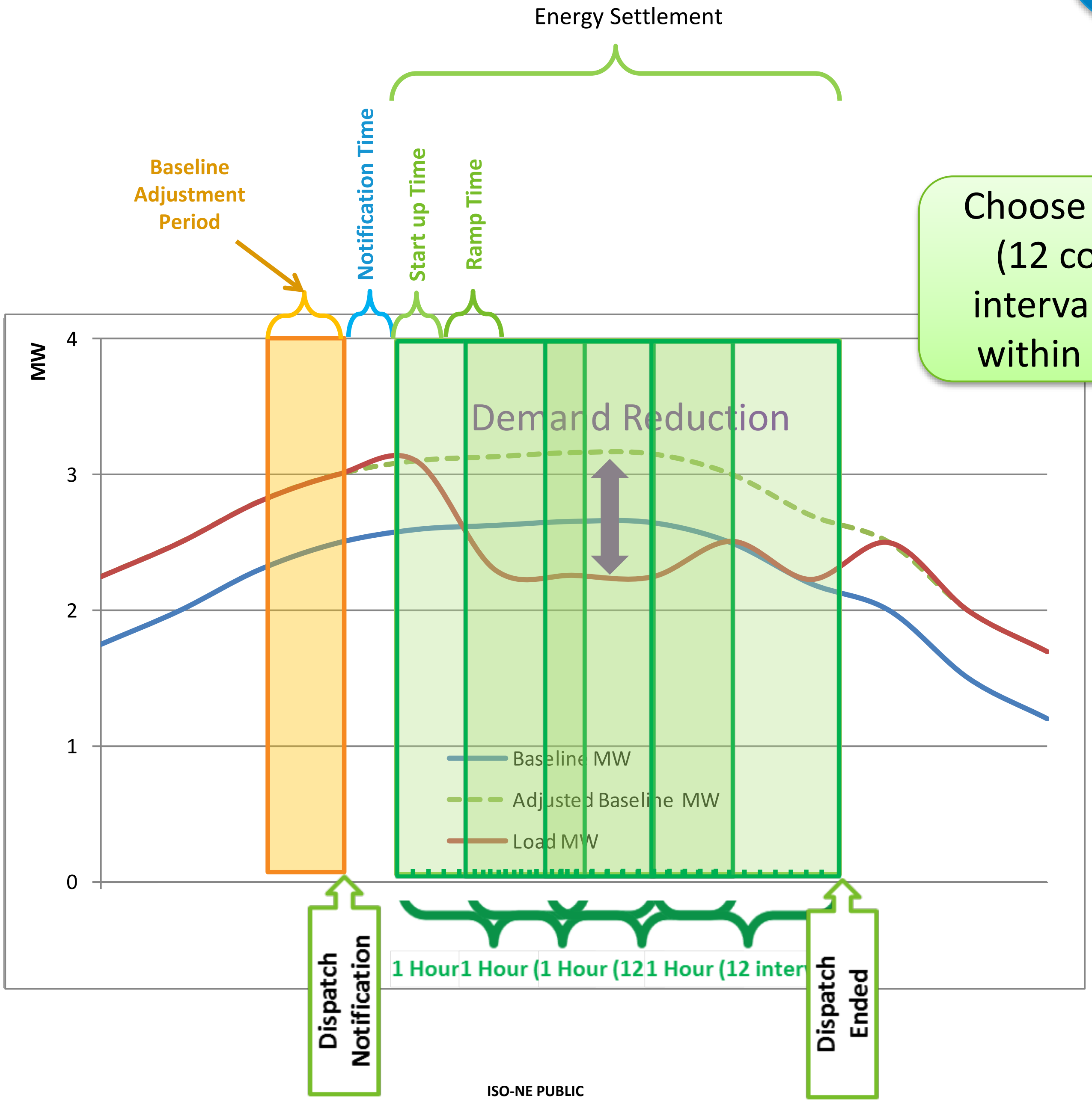
Option: Use a Past Dispatch

Use Past Dispatch

- Can choose 12 contiguous 5-minute intervals during a past dispatch
  - Starting with any 5-minute interval after the completion of notification time
  - Performance information can be accessed via demand response market user interface (DRMUI)
- Lead market participant must notify the ISO
  - Via ATT
  - By 5:00 p.m. on the fifth business day following the dispatch
  - Enter the date and start time
- Request cannot be cancelled
  - If submission has less than 12 valid 5-min intervals → cancelled

Audit Period for a Past Dispatch – You Choose

Use Past Dispatch



Choose any 1 hour (12 contiguous intervals) that fall within a dispatch

ISO-NE PUBLIC

Seasonal Audit Value of a DRR

Sum of the average demand reductions demonstrated during the audit by each of the DRAs associated with it

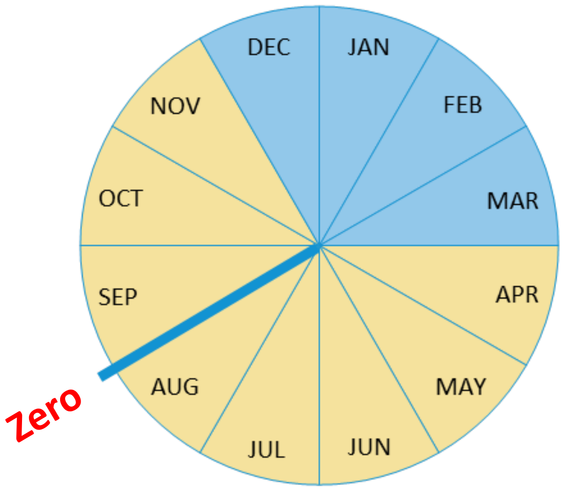
- A DRA must be operational to contribute to the audit
- Any DRA on a forced or scheduled curtailment is assessed a zero contribution

Results effective one day following processing of the audit results by the ISO

Effect of DRA *Not* Performing an Audit

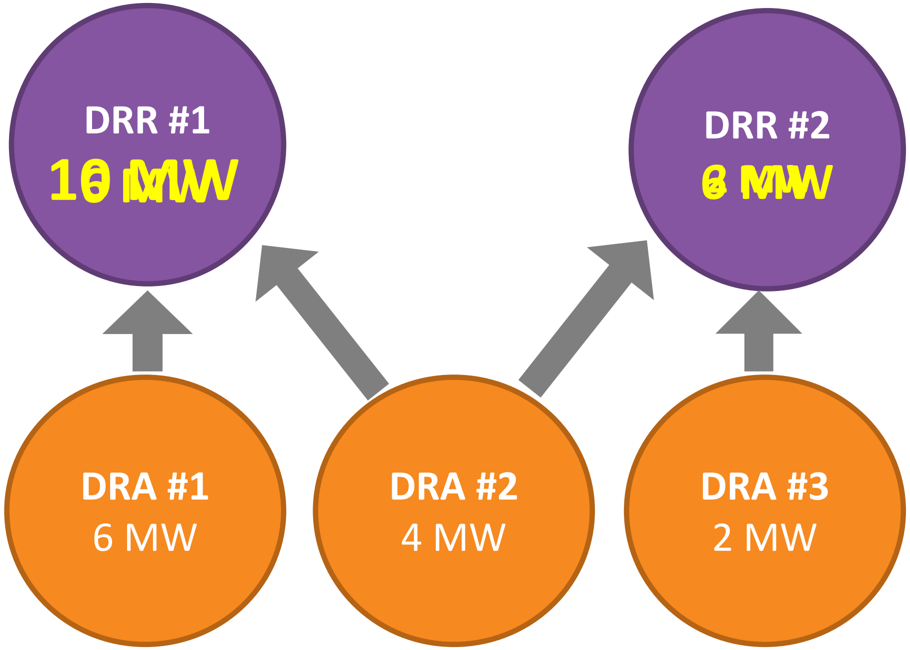
As Part of a DRR During a Demonstration Year

Its audit contribution for the missed season will be set to zero at end of demonstration year


DEC
JAN
NOV
FEB
OCT
MAR
SEP
APR
AUG
MAY
JUL
JUN
Zero

Effect of Adding or Removing DRAs from a DRR

DRR’s seasonal DR audit value is updated to match new configuration



DRR #1
10 MW
6 MW

DRR #2
6 MW
2 MW

DRA #1
6 MW

DRA #2
4 MW

DRA #3
2 MW

ISO-Initiated CCA

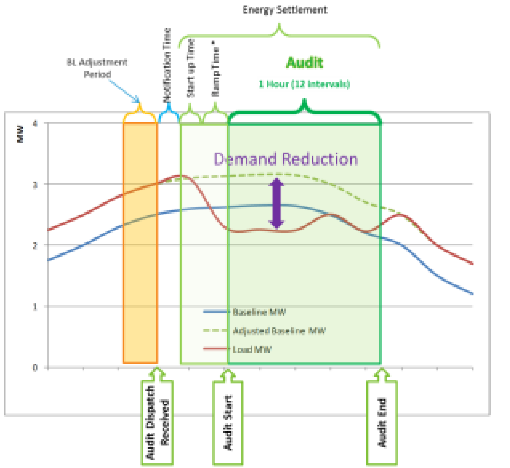
ISO-Initiated CCA

- ISO may call on a DRR to perform at any time
- Audit is unannounced
- Results replace either summer or winter seasonal DR audit value
- Fulfills the seasonal DR audit obligation of a DRR

How an ISO-Initiated Audit Works

- Dispatch instruction will order DRR to its offered max reduction

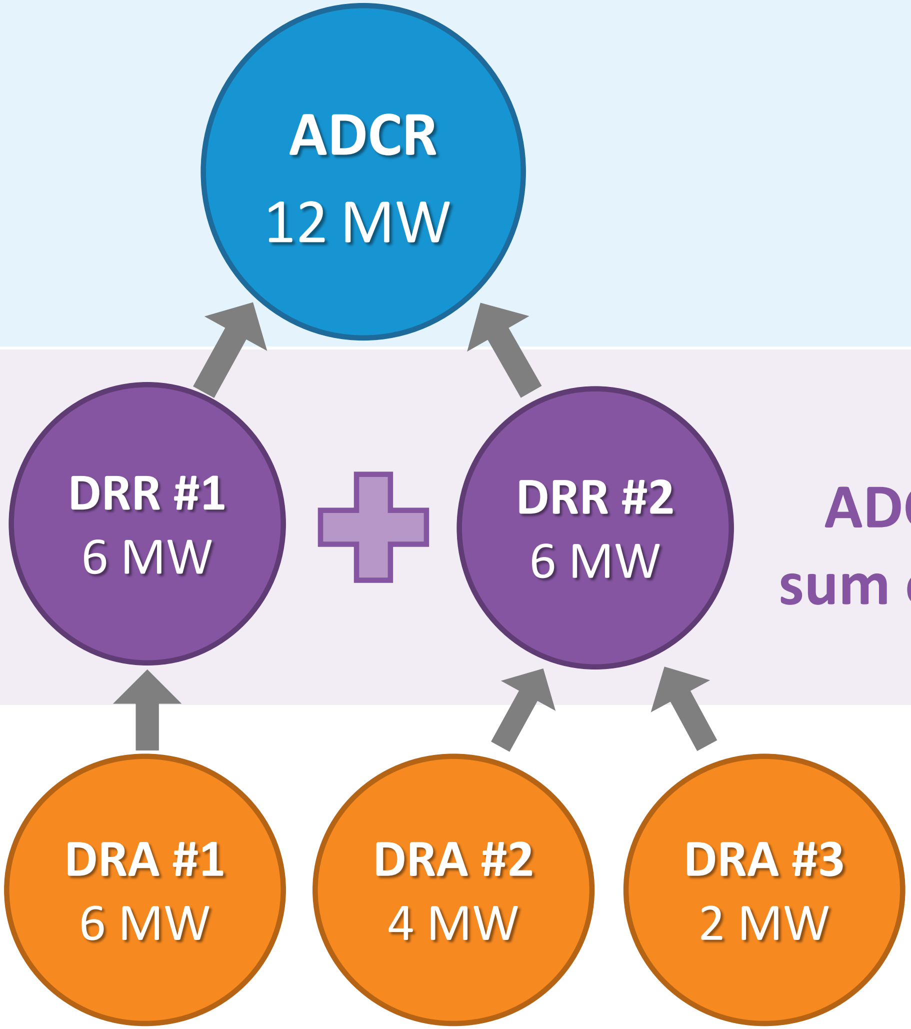
- Audit is 1 hour and will start with the first five-minute interval after sufficient time has been allowed for the resource to ramp (based on its demand reduction offer parameters)



- These audits are evaluated for NCPC compensation
  - In accordance with Market Rule 1, Appendix F - Net Commitment-Period Compensation (NCPC) Accounting

Active Demand Capacity Resource (ADCR)

Seasonal DR Audit Value of an ADCR



ADCR
12 MW

DRR #1
6 MW

DRR #2
6 MW

DRA #1
6 MW

DRA #2
4 MW

DRA #3
2 MW

Seasonal DR audit values are maintained for all ADCRs

ADCR seasonal DR audit value is sum of its DRRs’ seasonal DR audits

Impacts of Audits on FCM

As of June 1, 2018: audit results will not be used for FCM settlement

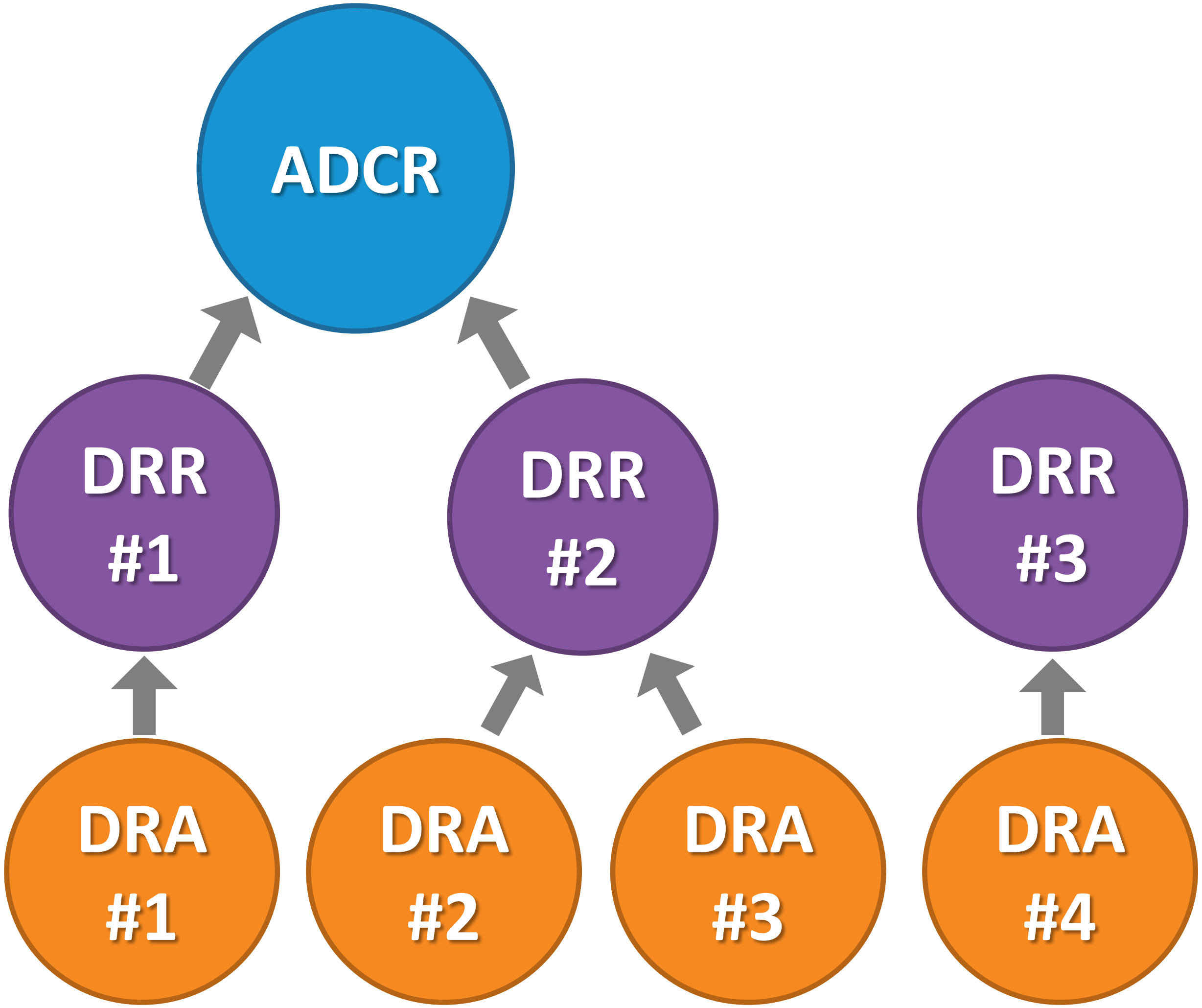
- Pay-for-performance will be in effect

Other impacts of audit values remain and will not be covered as part of this presentation

Data Conversion

Record Seeding in ATT

Names and IDs – What Changes? What Stays the Same?


ADCR
DRR #1
DRR #2
DRR #3
DRA #1
DRA #2
DRA #3
DRA #4

Existing capacity resources become ADCRs:
same name
same ID

New!!
System-generated name & ID

Existing DR assets converted:
same name
new ID

ATT Will be Seeded

Audit records for audits previously performed by demand capacity resources

- Showing the asset results that were associated with it

Summer conversion audit record to introduce the DRR

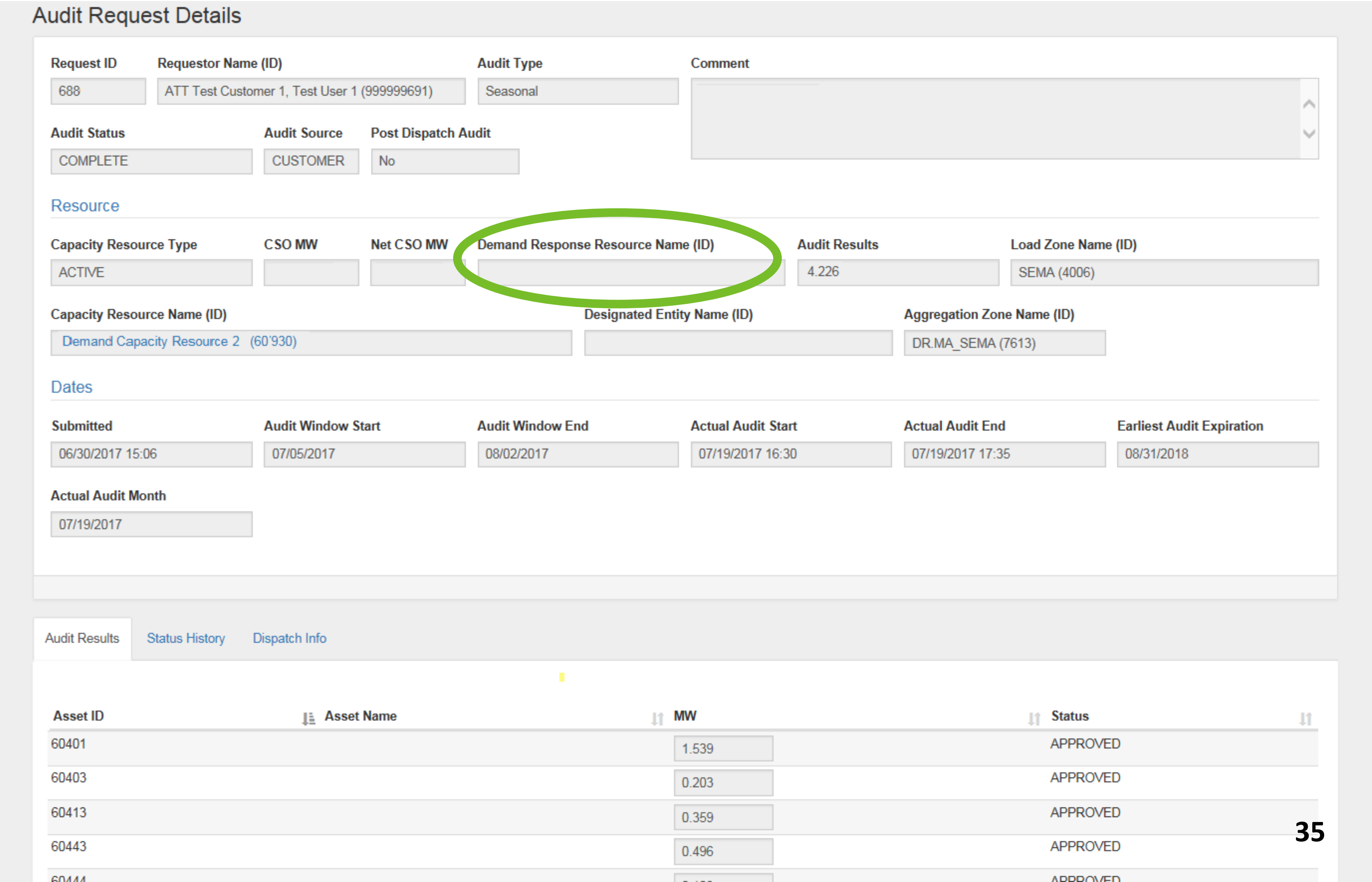
- Reflecting most recent audit results as of end of summer 2017
- Summer 2017 audits will expire August 31, 2018
  - Need to audit between June 1st and August 31st 2018

Winter conversion audit record to introduce the DRR

- Reflecting most recent winter audit results as of end of January 2018
- Winter 2017/2018 audits will expire August 31, 2019
  - Need to audit between December 1st 2018 and end of March 31st 2019

Seeded Audit Record

Actual Audit



Audit Request Details

Request ID	**Requestor Name (ID)**	**Audit Type**	**Comment**
688	ATT Test Customer 1, Test User 1 (999999691)	Seasonal	
Audit Status	**Audit Source**	**Post Dispatch Audit**	
COMPLETE	CUSTOMER	No	

Resource

Capacity Resource Type	**CSO MW**	**Net CSO MW**	**Demand Response Resource Name (ID)**	**Audit Results**	**Load Zone Name (ID)**
ACTIVE				4.226	SEMA (4006)

Capacity Resource Name (ID)	**Designated Entity Name (ID)**	**Aggregation Zone Name (ID)**
Demand Capacity Resource 2 (60'930)		DR.MA_SEMA (7613)

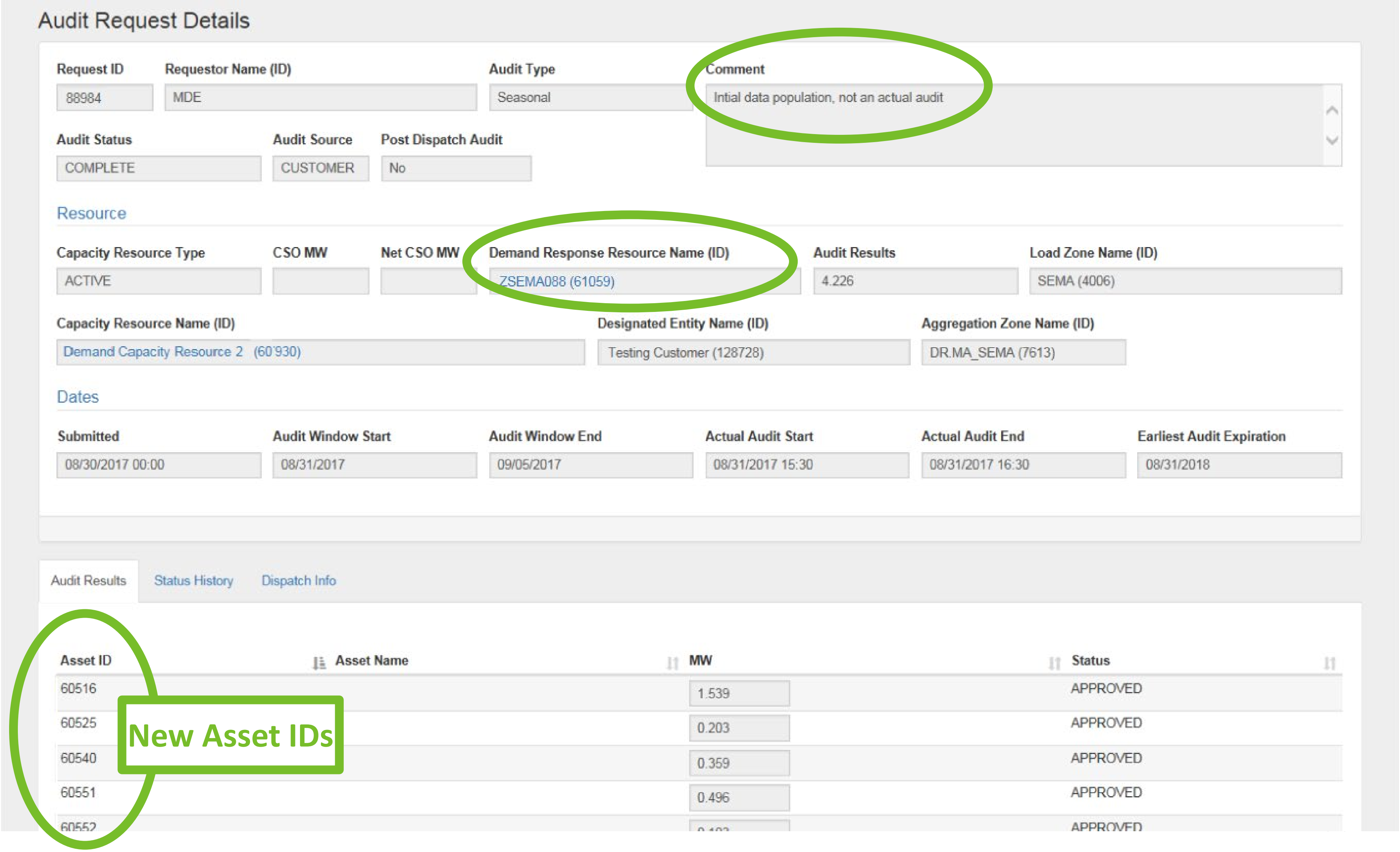
Dates

Submitted	**Audit Window Start**	**Audit Window End**	**Actual Audit Start**	**Actual Audit End**	**Earliest Audit Expiration**
06/30/2017 15:06	07/05/2017	08/02/2017	07/19/2017 16:30	07/19/2017 17:35	08/31/2018
Actual Audit Month					
07/19/2017					

Asset ID	Asset Name	MW	Status
60401		1.539	APPROVED
60403		0.203	APPROVED
60413		0.359	APPROVED
60443		0.496	APPROVED
60444			APPROVED

Seeded Audit Record

Summer Conversion Audit Record to Introduce DRR



Audit Request Details

Request ID: 88984
Requestor Name (ID): MDE
Audit Type: Seasonal
Comment: Intial data population, not an actual audit
Audit Status: COMPLETE
Audit Source: CUSTOMER
Post Dispatch Audit: No

Resource

Capacity Resource Type: ACTIVE
CSO MW:
Net CSO MW:
Demand Response Resource Name (ID): ZSEMA088 (61059)
Audit Results: 4.226
Load Zone Name (ID): SEMA (4006)
Capacity Resource Name (ID): Demand Capacity Resource 2 (60930)
Designated Entity Name (ID): Testing Customer (128728)
Aggregation Zone Name (ID): DR.MA_SEMA (7613)

Dates

Submitted: 08/30/2017 00:00
Audit Window Start: 08/31/2017
Audit Window End: 09/05/2017
Actual Audit Start: 08/31/2017 15:30
Actual Audit End: 08/31/2017 16:30
Earliest Audit Expiration: 08/31/2018

Asset ID	Asset Name	MW	Status
60516		1.539	APPROVED
60525		0.203	APPROVED
60540		0.359	APPROVED
60551		0.496	APPROVED
60552			APPROVED

New Asset IDs

DR Audit and Testing Tool

Seasonal DR Audits

Purpose of ATT

- Submit active seasonal DRR audits and view results

- Submit claim 10/30 audit requests for active DR
  - Only for submissions - not results
  - Claim 10/claim 30 is covered later in this presentation

- Submit passive (on-peak and seasonal peak) DR audits and view results
  - Covered in March 29, 2018 webinar

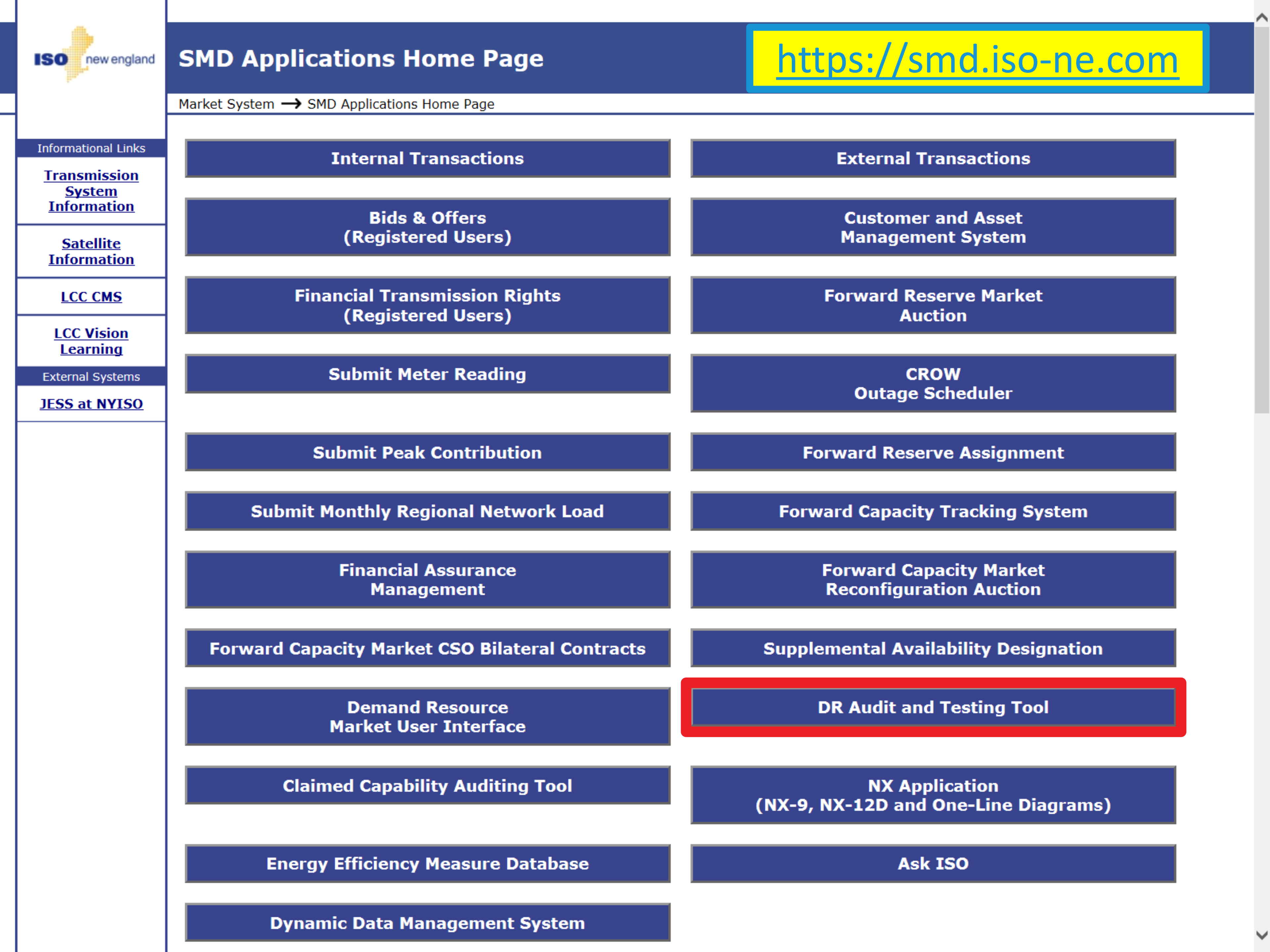
Single Sign-On (SSO) Requires a Digital Certificate

- Digital certificate is issued to your company's security administrator (SA) by ISO

- Your company's SA assigns your access

- Standard Market Design (SMD) Applications Home Page
  - https://smd.iso-ne.com

Don't know who your company's SA is?
Call ISO Customer Support and we'll help you find out.



https://smd.iso-ne.com

ISO new england

SMD Applications Home Page

Market System ⟶ SMD Applications Home Page

Informational Links

- Transmission System Information
- Satellite Information
- LCC CMS
- LCC Vision Learning

External Systems

- JESS at NYISO

Internal Transactions	External Transactions
Bids & Offers (Registered Users)	Customer and Asset Management System
Financial Transmission Rights (Registered Users)	Forward Reserve Market Auction
Submit Meter Reading	CROW Outage Scheduler
Submit Peak Contribution	Forward Reserve Assignment
Submit Monthly Regional Network Load	Forward Capacity Tracking System
Financial Assurance Management	Forward Capacity Market Reconfiguration Auction
Forward Capacity Market CSO Bilateral Contracts	Supplemental Availability Designation
Demand Resource Market User Interface	DR Audit and Testing Tool
Claimed Capability Auditing Tool	NX Application (NX-9, NX-12D and One-Line Diagrams)
Energy Efficiency Measure Database	Ask ISO
Dynamic Data Management System	

User Roles

Sandbox/Production

- A&TT / Lead Participant Maintainer
- A&TT / Lead Participant Read Only
- A&TT / Demand Designated Entity Read Only

Request these roles from your company's SA

Sandbox available on April 2, 2018

ATT DRR Audit Types

Seasonal

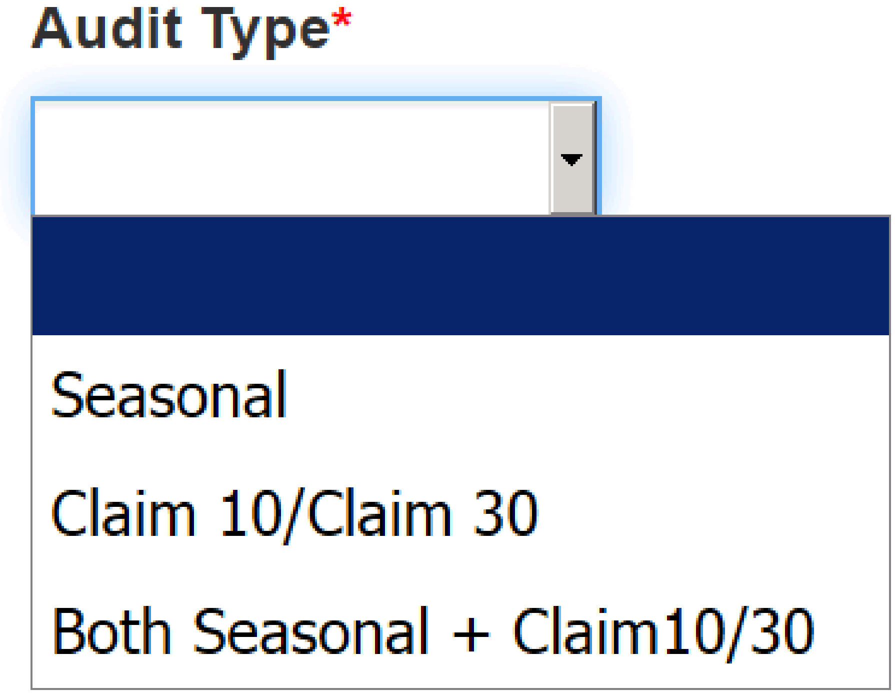
- Request dispatch, or
- Use past dispatch

Claim 10/Claim 30

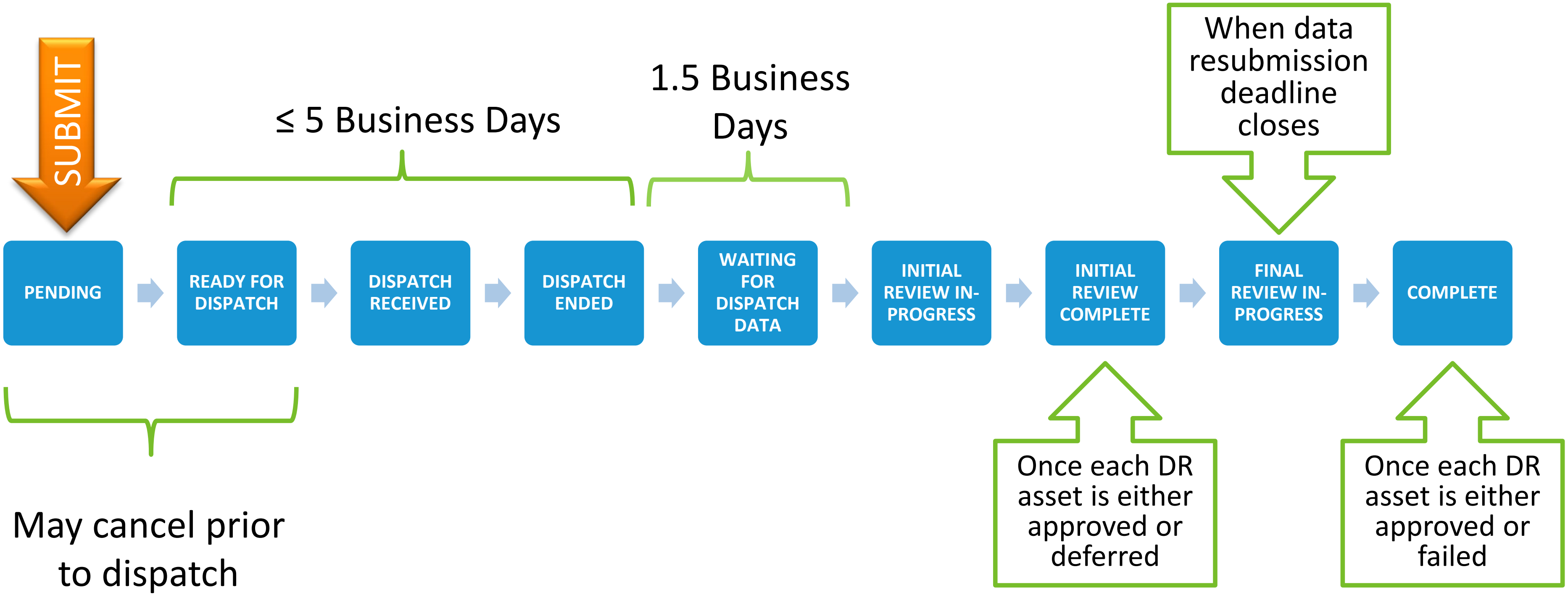
- Request dispatch

Both Seasonal + Claim10/30

- Request dispatch


Audit Type*
Seasonal
Claim 10/Claim 30
Both Seasonal + Claim10/30

Process Flow: Scheduled Seasonal Audit



SUBMIT

≤ 5 Business Days

1.5 Business Days

When data resubmission deadline closes

PENDING → READY FOR DISPATCH → DISPATCH RECEIVED → DISPATCH ENDED → WAITING FOR DISPATCH DATA → INITIAL REVIEW IN-PROGRESS → INITIAL REVIEW COMPLETE → FINAL REVIEW IN-PROGRESS → COMPLETE

May cancel prior to dispatch

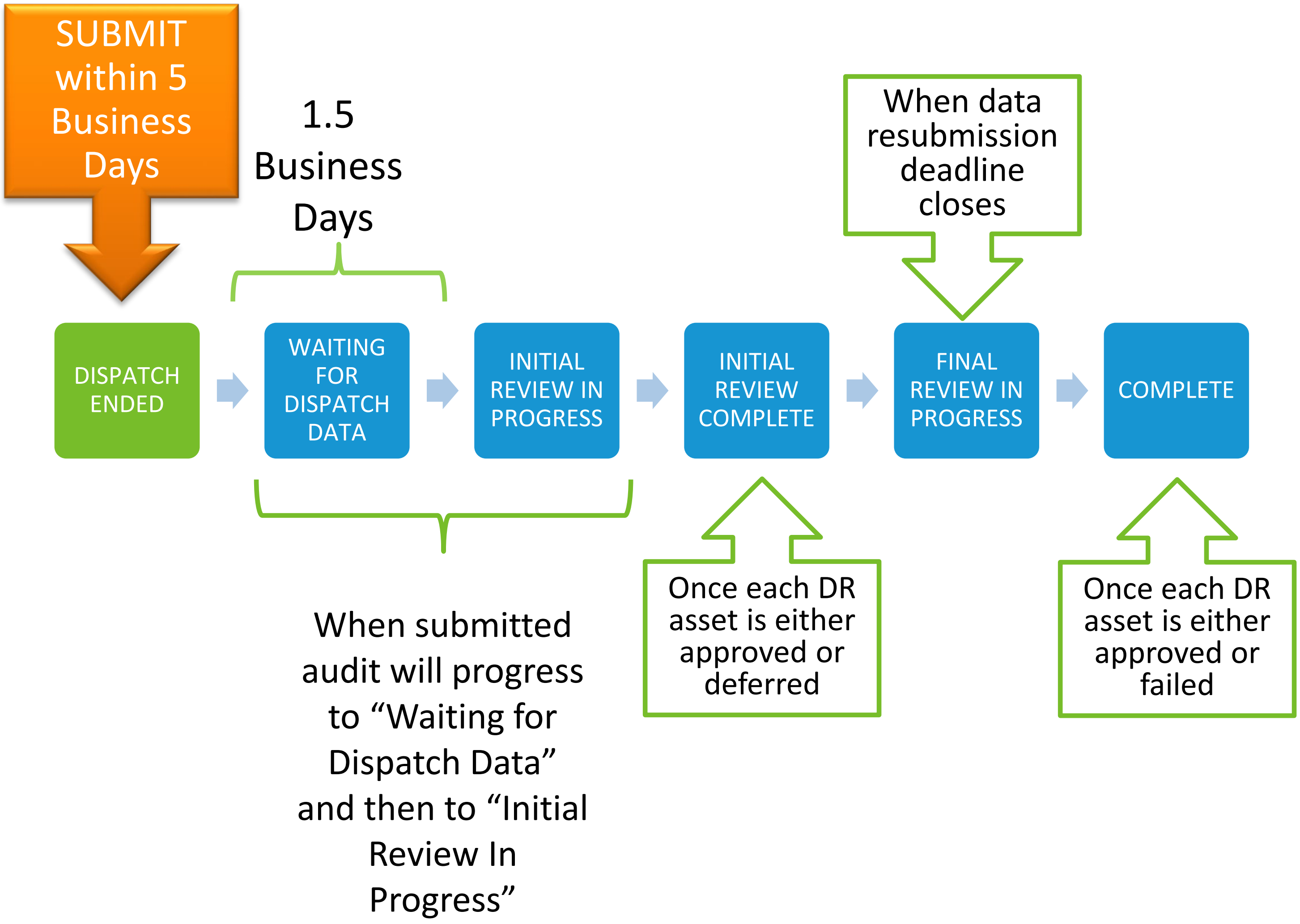
Once each DR asset is either approved or deferred

Once each DR asset is either approved or failed

- DRR: Cannot request audits with overlapping windows unless prior audit(s) already dispatched
- If ISO ends the dispatch with less than 12 intervals completed, audit status goes to
  - **Seasonal**: cancelled
  - **Seasonal + claim 10/30**: partially completed

Slide updated on 9/13/2024.

Process Flow: Using a Past Dispatch as a Seasonal Audit



SUBMIT within 5 Business Days

1.5 Business Days

When data resubmission deadline closes

DISPATCH ENDED

WAITING FOR DISPATCH DATA

INITIAL REVIEW IN PROGRESS

INITIAL REVIEW COMPLETE

FINAL REVIEW IN PROGRESS

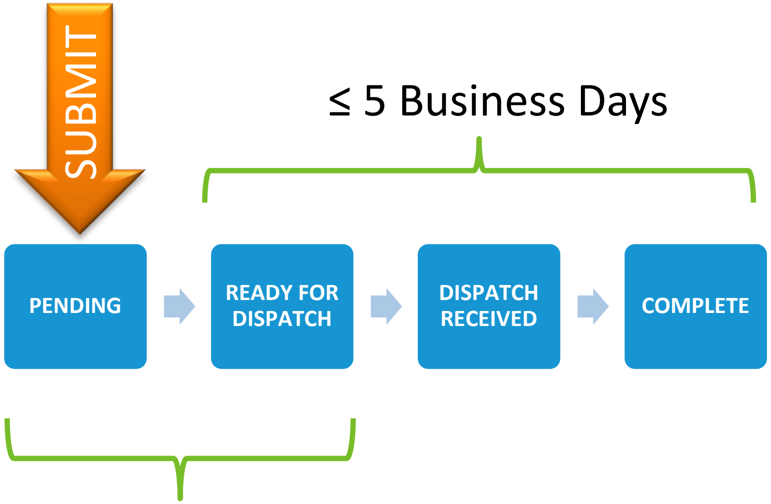
COMPLETE

When submitted audit will progress to “Waiting for Dispatch Data” and then to “Initial Review In Progress”

Once each DR asset is either approved or deferred

Once each DR asset is either approved or failed

Process Flow: Claim10/Claim30 Audit


SUBMIT
≤ 5 Business Days
PENDING
READY FOR DISPATCH
DISPATCH RECEIVED
COMPLETE

May cancel prior to dispatch

Slide updated on 9/13/2024.

Auditing and Testing Tool Demonstration

Operating Reserves

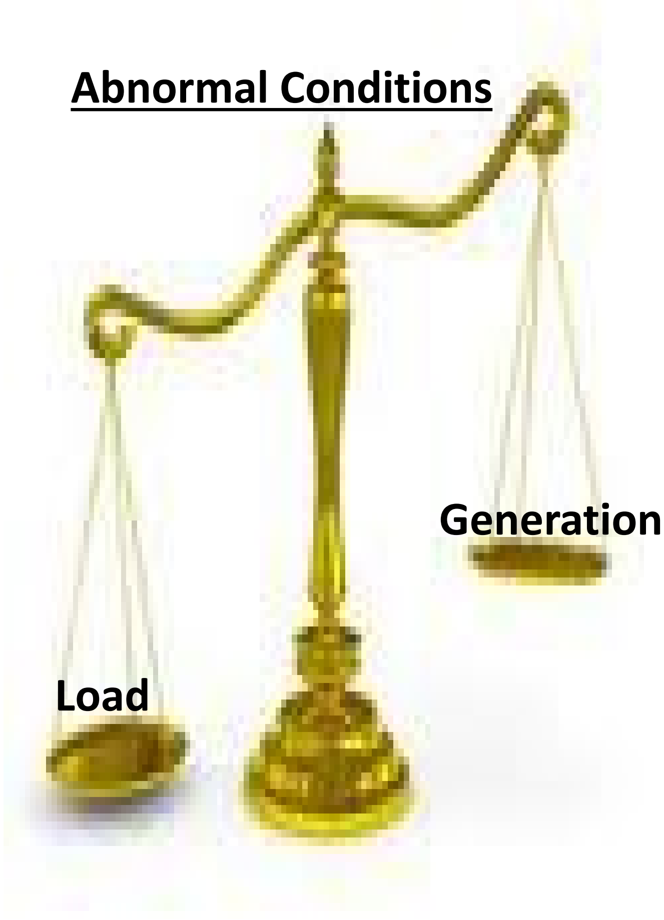
Kory Haag

Reserve Definitions – 10 Minutes

Ten Minute Spinning Reserve (TMSR) – can be provided from DRR that is dispatched and has no controllable generation

Ten Minute Non-Spinning Reserve (TMNSR) – can be provided by DRR that is currently not dispatched but can be dispatched in 10 minutes or less

Converting Reserves to Energy – Time Requirements (TMSR and TMNSR)



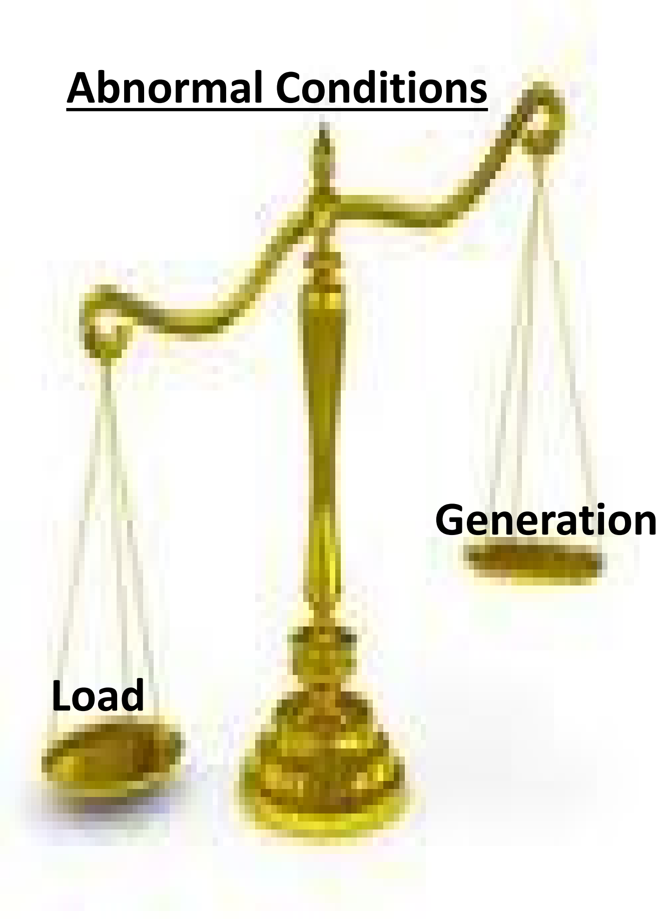
Resources providing TMSR and TMNSR are dispatched up by the ISO in real time in response to a loss of supply

- Under NERC standard BAL-002-1 (R4.1), the ISO must ensure that the lost supply is replaced within **15 minutes** of the occurrence of the contingency
- ISO uses Ten Minute Reserve (TMR) in order to provide operators time to react to the supply loss and meet the NERC Standard

Reserve Definitions – Thirty Minutes

Thirty Minute Operating Reserve (TMOR) – can be provided by dispatched or not dispatched DRR that can be dispatched within 30 minutes

Converting Reserves to Energy – Time Requirements
TMOR



Resources providing TMOR are dispatched up by the ISO in real-time when the available TMSR and TMNSR is below or is expected to be below the total system TMR requirement

- Under NERC standard BAL-002-1 (R4.1), the ISO must restore its total system TMR requirement either:
  1. Within 115 minutes if the deficiency was caused by a NERC-reportable supply loss or
  2. Within 90 minutes from the time when there was insufficient resources providing the TMR product to meet the total system TMR requirement (if the deficiency was not caused by a NERC-reportable supply loss)

Measuring DRR Performance

Determining Reserves

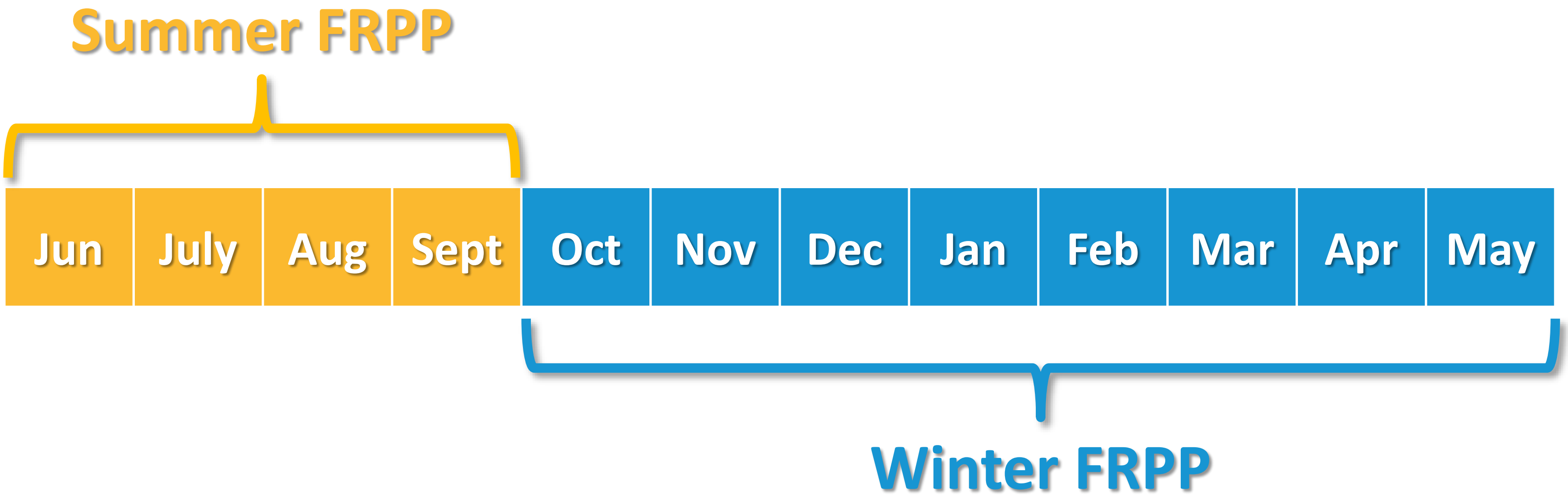
DRR Performance Audits

3-Types

1. ISO-initiated
2. Participant requested
3. Normal dispatch

Audit Periodicity Requirement

Once every forward reserve procurement period (FRPP)



Summer FRPP

Jun	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May

Winter FRPP

Performance is Measured at the DRR Level

- Only uses real-time telemetry
  - No corrections are used
- DRA performance is aggregated to the DRR performance
- If a DRA is added to or removed from a DRR the claim 10/30 value is not affected
- Participant's responsibility to maintain claim 10/30 offer to reflect actual capability
- Performance factor will be affected if offers are not accurate
  - More on performance factor later in this presentation

Claim 30 Capability

Calculated weekly, effective for the next Monday-Sunday

ISO calculates the **TMOR** capability of a DRR that has not been dispatched as the lower of the **claim 30** value or the **offered claim 30**.

Claim 30 Capability

Used for:

- Settlements
- Real time reserve calculations
- **Performance factor calculation**

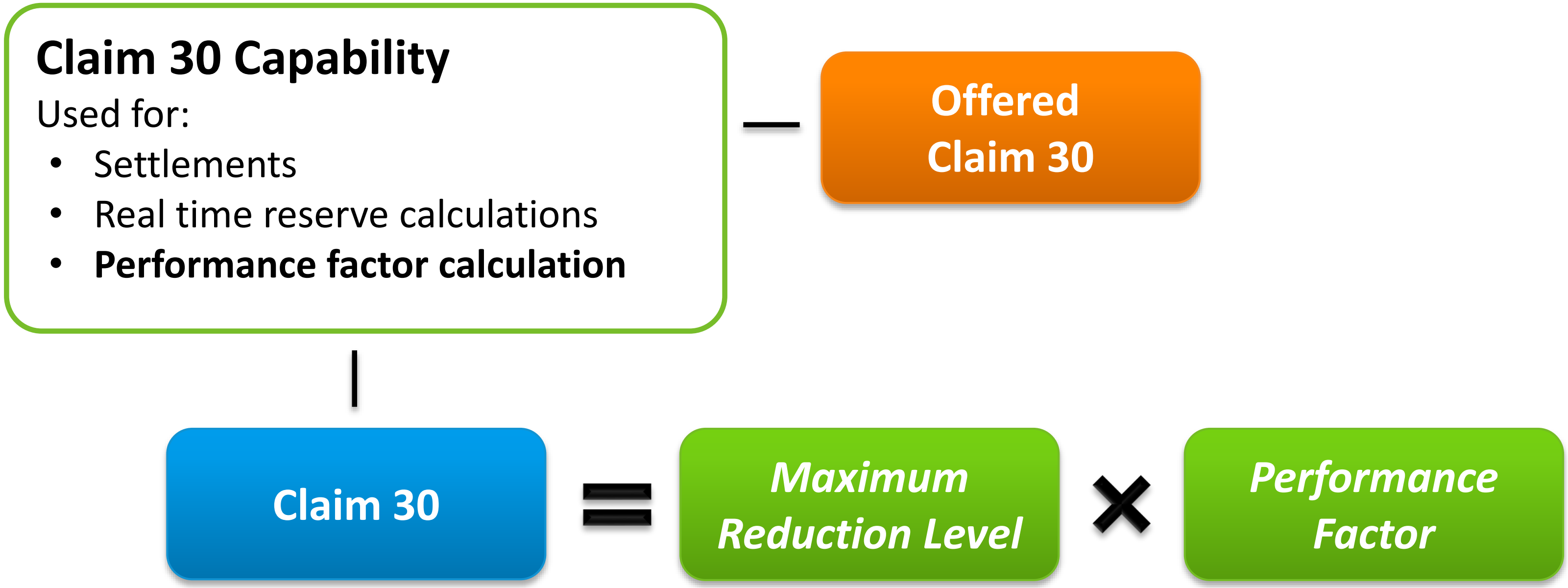
Offered Claim 30

- Provides a Market Participant the ability to offer (or redeclare) a **TMOR** capability that is different than the claim 30 of the DRR that has not been dispatched

Claim 30

- Maximum amount of **TMOR** that can be allocated to a DRR that has not been dispatched

Claim 30 Value



Claim 30 Capability

Used for:

- Settlements
- Real time reserve calculations
- **Performance factor calculation**

—

Offered Claim 30

|

Claim 30 = ***Maximum Reduction Level*** × ***Performance Factor***

Claim 30 Value Upon Full Integration of PRD

On June 1, 2018, and October 1, 2018:

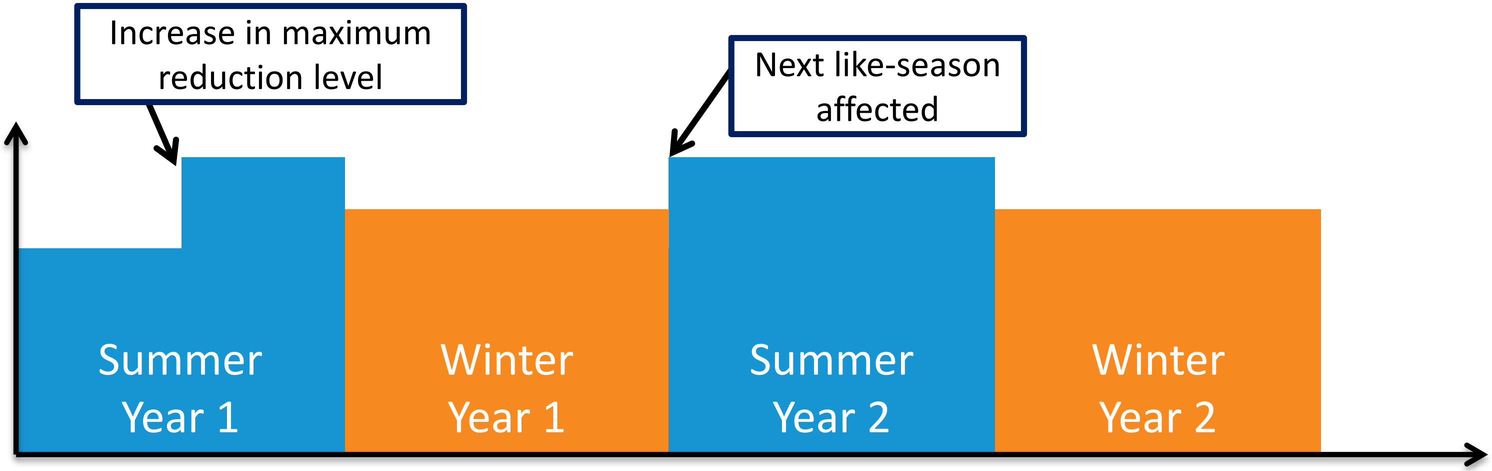
- Maximum reduction level for DRR will equal 30 minute performance for DRAs that were active in Summer 2017 and Winter 2017-2018
  - Value will be removed ~ 4 weeks after the start of each FRPP in 2018
- Performance factor will equal 1.0 until first startup dispatch

Maximum Reduction Level

Claim 30 = ***Maximum Reduction Level*** × *Performance Factor*

- Highest reduction a resource has reached at **30 minutes** in the current or previous like FRPP

Maximum Reduction Level Carryover



Increase in maximum reduction level

Next like-season affected

Summer Year 1

Winter Year 1

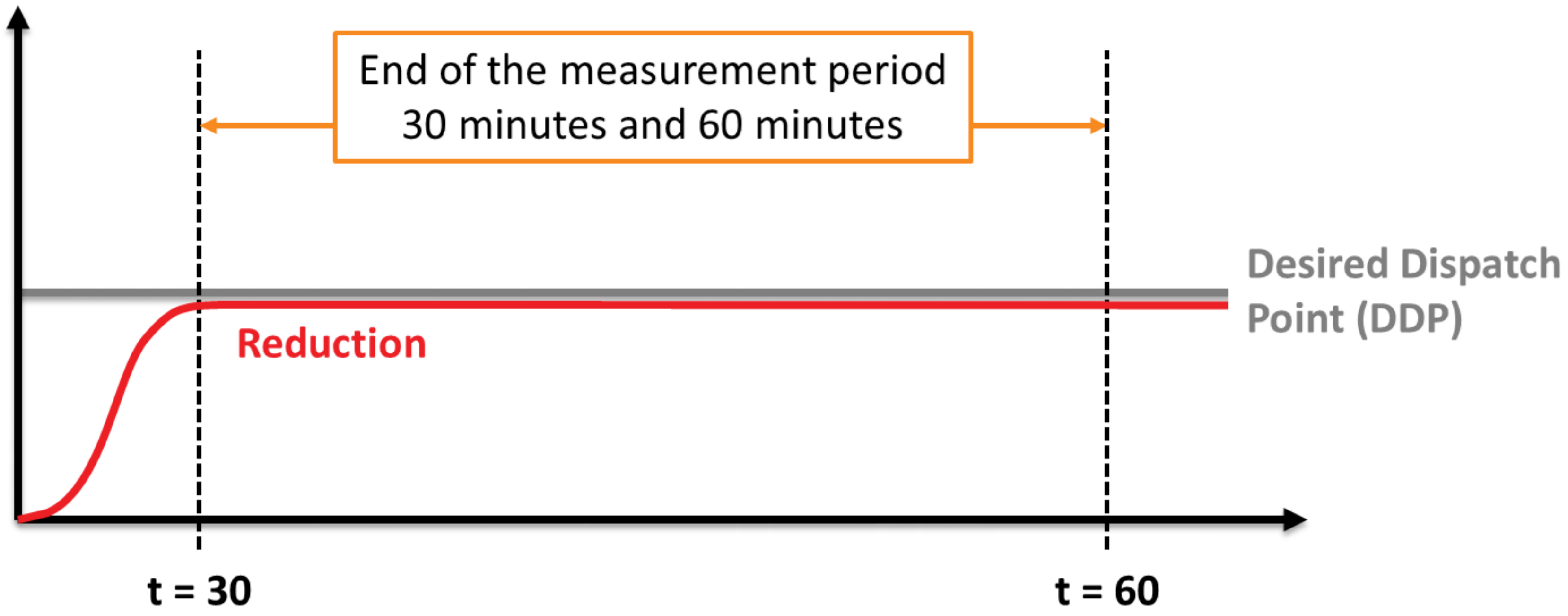
Summer Year 2

Winter Year 2

- Becomes effective from the week of the increase and going forward for the current FRPP
- Carries forward to the next like FRPP

Measuring DRR Reduction

- Use real-time telemetry values
  - 5 minute data for TMOR
- Measure at 30 minutes from dispatch time
  - Interpolate between data points



End of the measurement period
30 minutes and 60 minutes

Desired Dispatch Point (DDP)
Reduction
t = 30
t = 60

Increasing a Resource’s Maximum Reduction Level

Economic Dispatch

1. Normal economic dispatch
2. Reduction at 30 minutes greater than current maximum reduction level
3. The maximum reduction level is raised prospectively (limited by DDP)

Formal Audit

1. Market participant requests an audit
2. Requested DDP is sent on unannounced dispatch
3. Reduction at 30 minutes is greater than current maximum reduction level
4. The maximum reduction level is raised prospectively

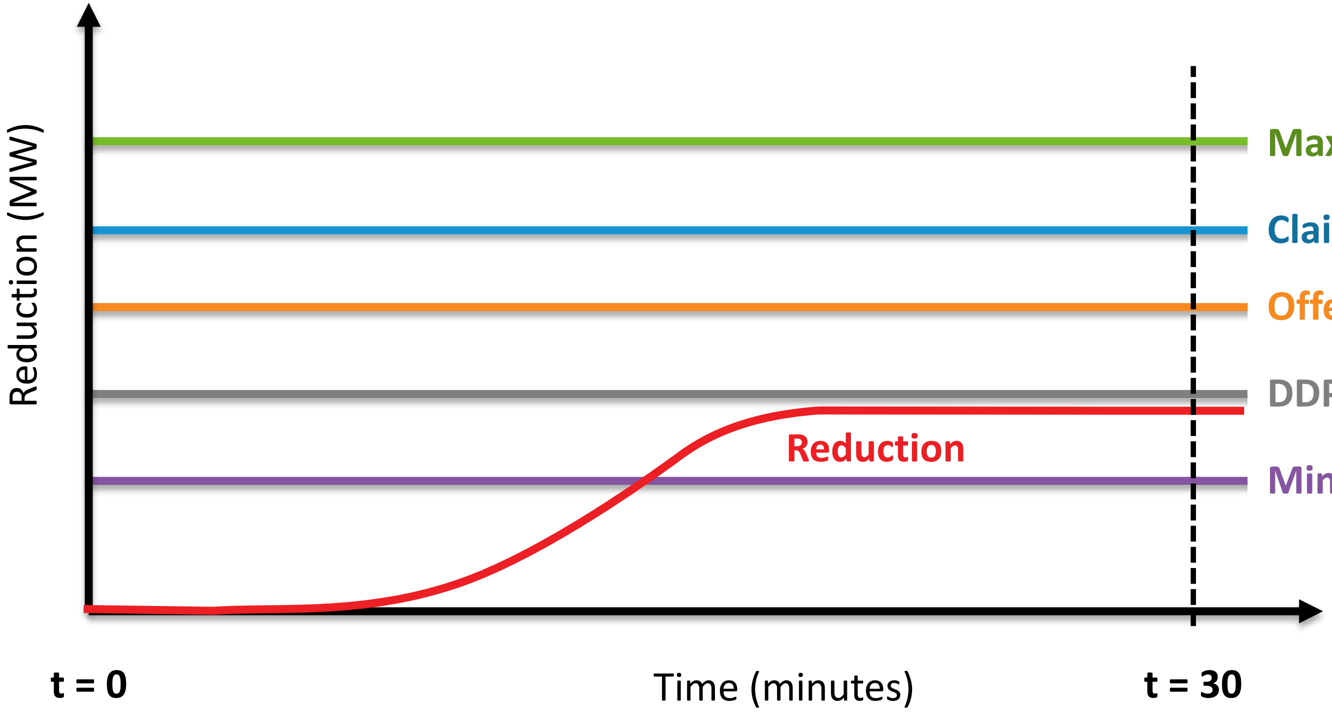
Performance Factor Overview

Claim 30 = ***Maximum Reduction Level*** × ***Performance Factor***

- A **performance factor** allows ISO to model a resource’s historical ability to achieve **target value** from a not dispatched state
- Calculated for each resource based on the performance in its previous **ten** startups (limited by 3 years)
- Uses weighted average calculation

Performance Factor and Target Value

Each time a fast-start DRR is dispatched from a not dispatched state its performance is evaluated based upon its reduction at 30 minutes, in relation to its target value.

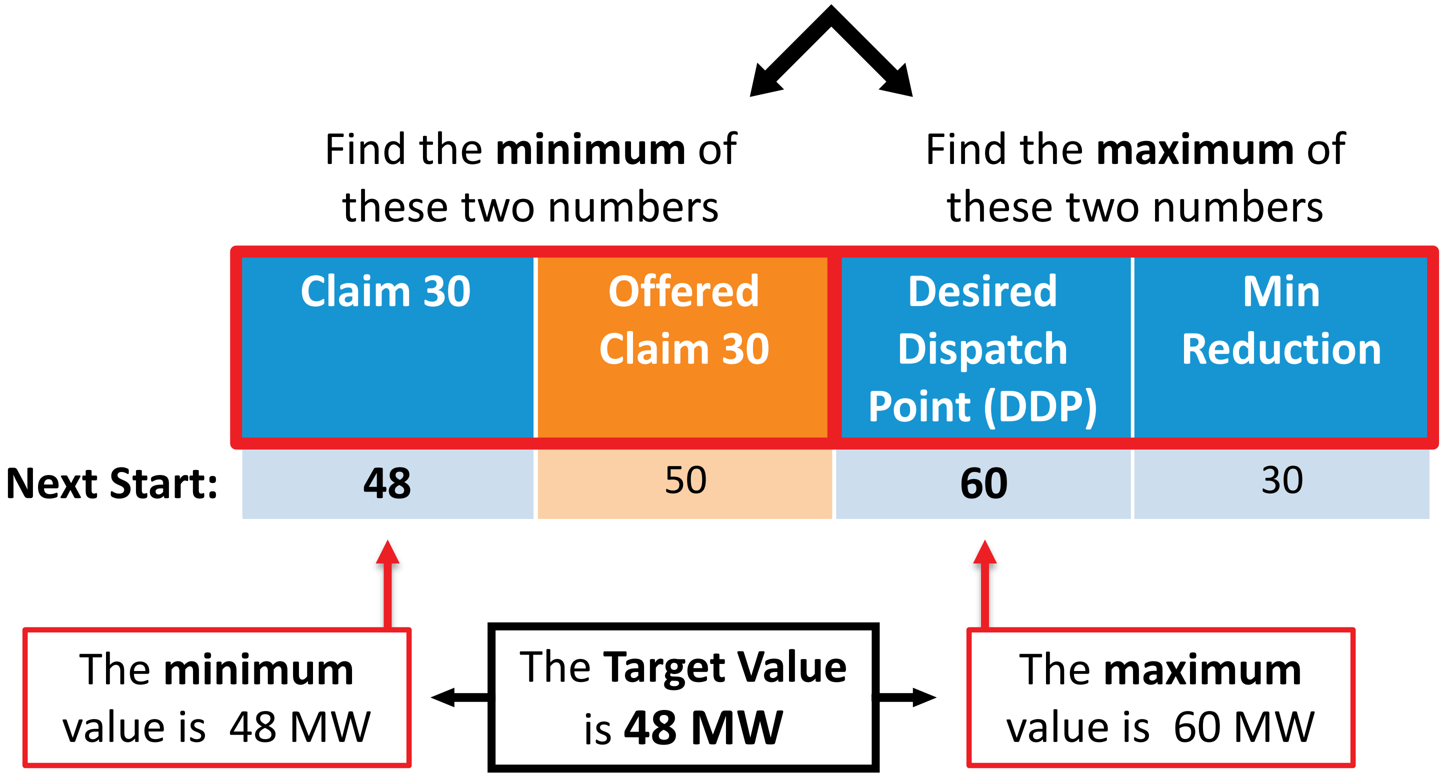


Target Value

- Minimum expected reduction the resource should meet at 30 minutes based upon offered parameters
- Compared to actual resource reduction at 30 minutes to determine whether the resource met expectations
- Directly affected by participant supply offer parameters:
  - DDP (dependent upon startup time, notification time, response rate)
  - Claim 30 capability
  - Maximum reduction / minimum reduction

Determining the Target Value

Target Value is the
minimum of these values



Find the **minimum** of
these two numbers

Find the **maximum** of
these two numbers

	Claim 30	Offered Claim 30	Desired Dispatch Point (DDP)	Min Reduction
Next Start:	**48**	50	**60**	30

The **minimum**
value is 48 MW

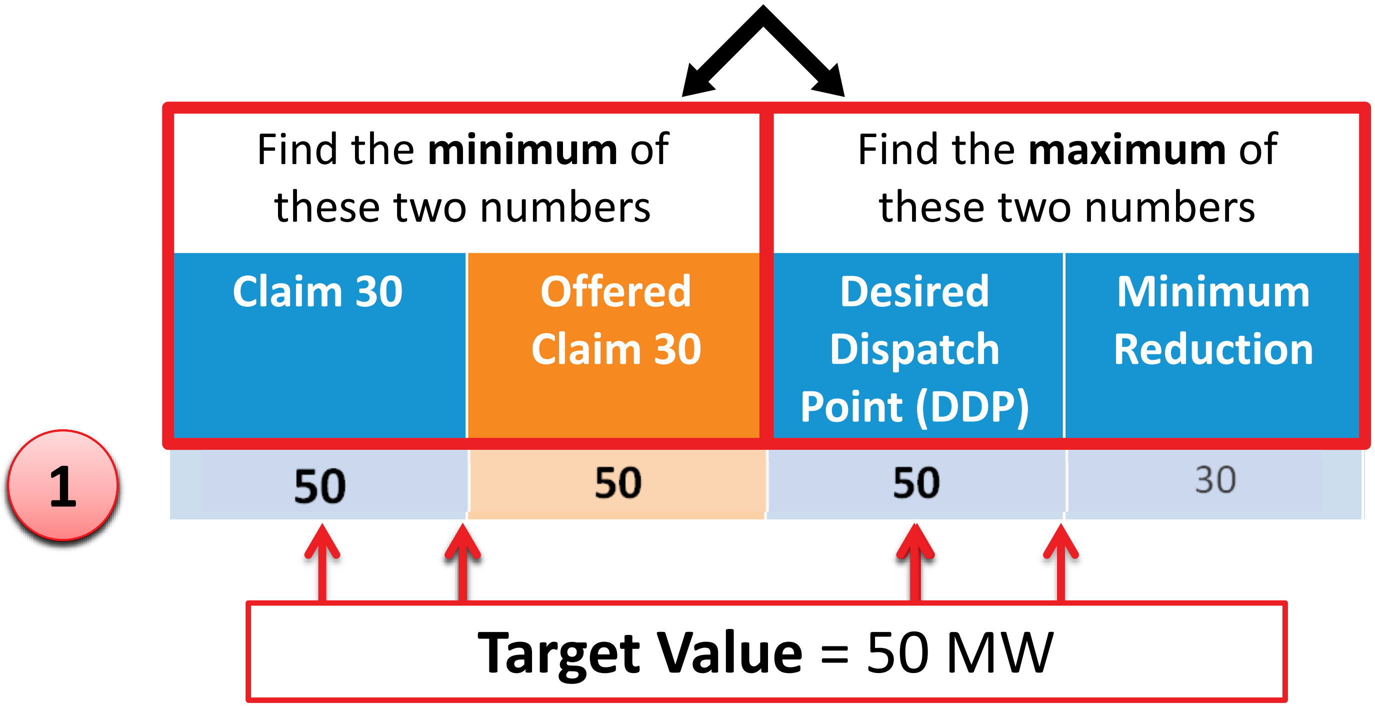
The **Target Value**
is **48 MW**

The **maximum**
value is 60 MW

Target Value Scenarios

The **Target Value** is compared to actual resource reduction to calculate the performance factor.

The **Target Value** is the **minimum** of these values



Find the **minimum** of these two numbers		Find the **maximum** of these two numbers	
Claim 30	**Offered Claim 30**	**Desired Dispatch Point (DDP)**	**Minimum Reduction**
50	**50**	**50**	30

Target Value = 50 MW

Calculating Performance Factor

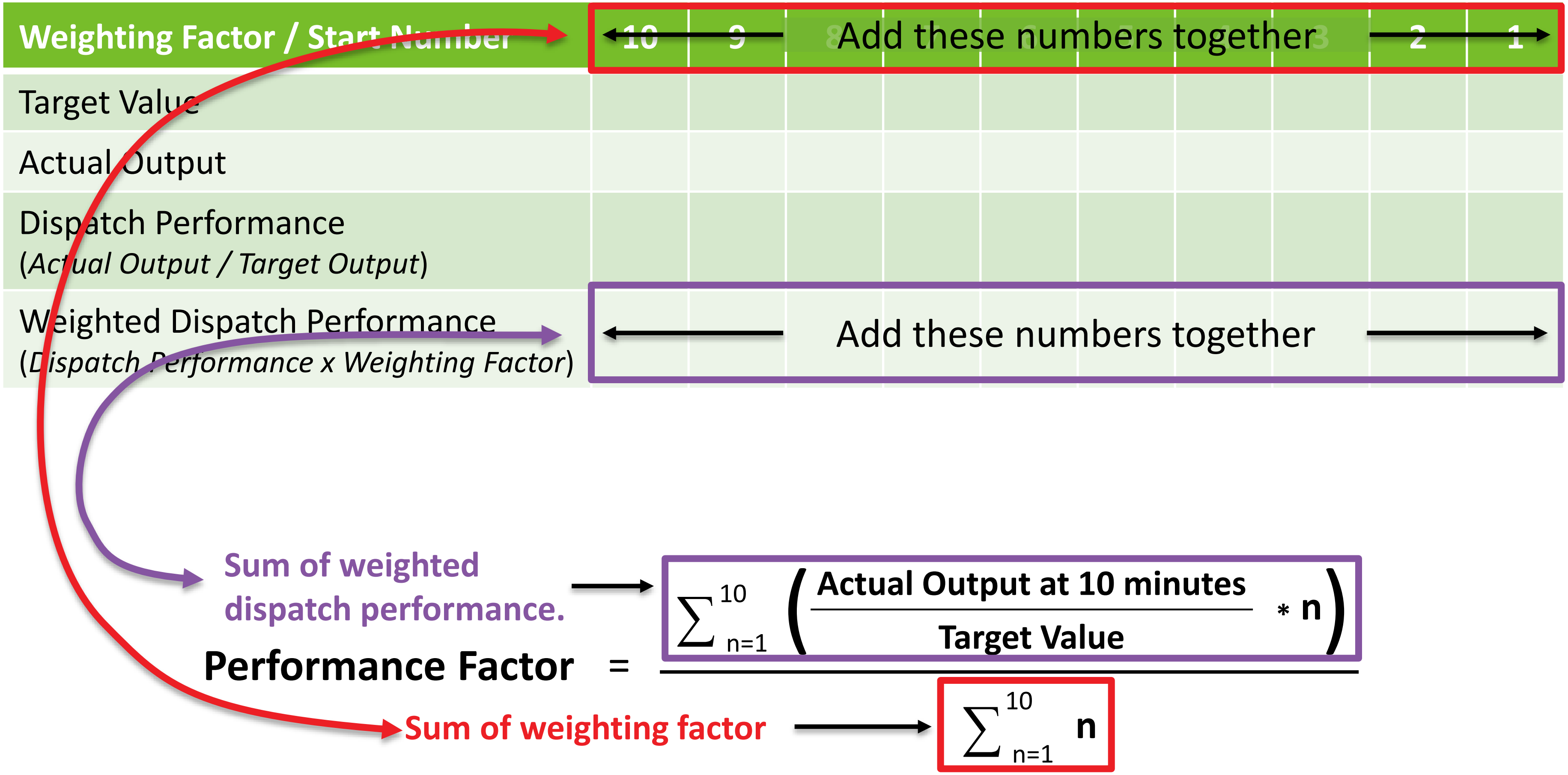
Finding the Dispatch Performance

Weighting Factor / Start Number	**10**	**9**	**8**	**7**	**6**	**5**	**4**	**3**	**2**	**1**
Target Value										
Actual Output										
Dispatch Performance (*Actual Output / Target Output*)										
Weighted Dispatch Performance (*Dispatch Performance x Weighting Factor*)										

Dispatch Performance is limited to 1.0

$$\text{Performance Factor} = \frac{\sum_{n=1}^{10} \left(\frac{\text{Actual Reduction at 30 minutes}}{\text{Target Value}} * n \right)}{\sum_{n=1}^{10} n}$$

Calculating Performance Factor



Weighting Factor / Start Number	10	9	8	7	6	5	4	3	2	1
Target Value										
Actual Output										
Dispatch Performance *(Actual Output / Target Output)*										
Weighted Dispatch Performance *(Dispatch Performance x Weighting Factor)*										

Add these numbers together

Add these numbers together

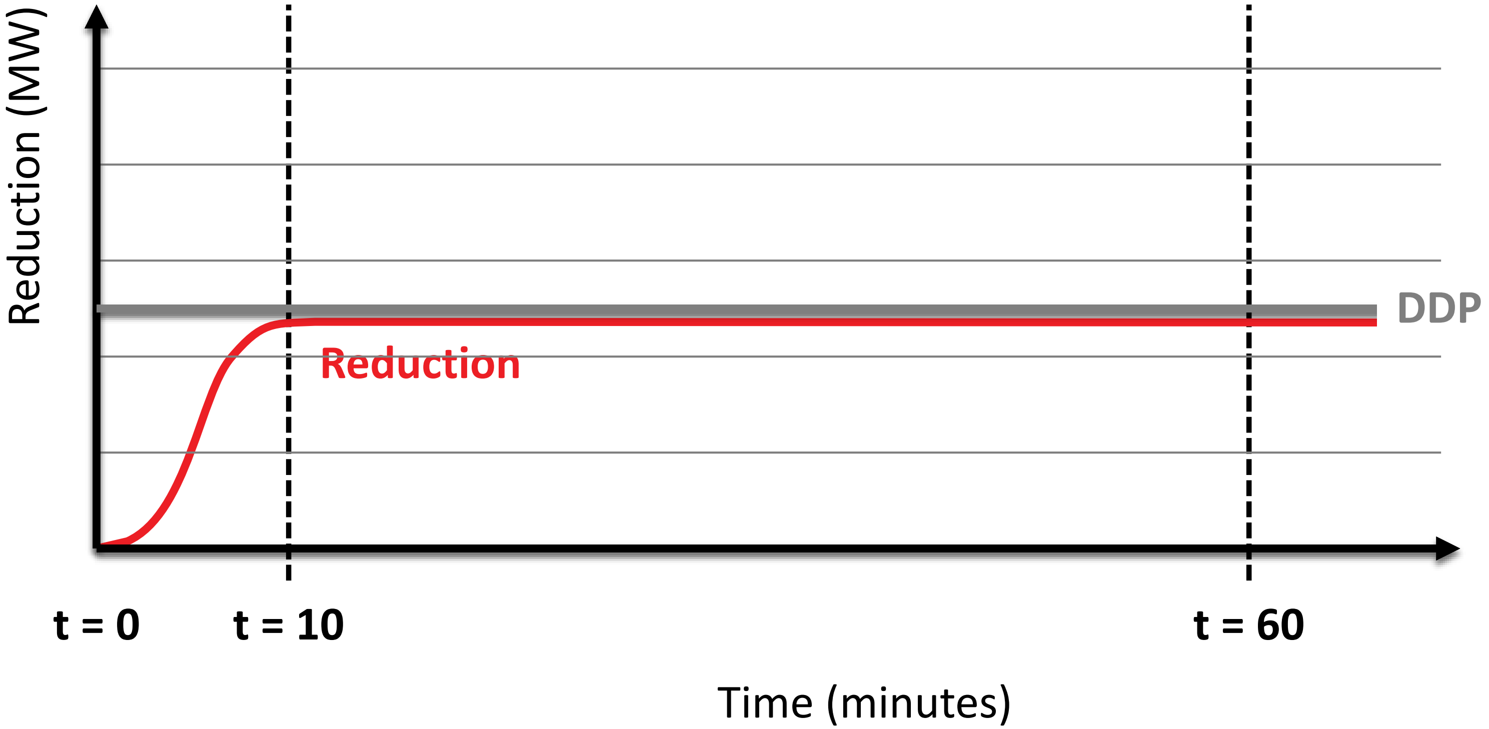
Sum of weighted dispatch performance.

$$\text{Performance Factor} = \frac{\sum_{n=1}^{10}\left(\frac{\text{Actual Output at 10 minutes}}{\text{Target Value}} * n\right)}{\sum_{n=1}^{10} n}$$

Sum of weighting factor

DRR Sustainability Caveat

- DRR must remain in service for **60 minutes** following the initial dispatch
  - Unit control mode (UCM) of 2 or higher
- Does not require the DRR to be dispatched for 60 minutes.
  - May have a minimum reduction time of less than 60 minutes



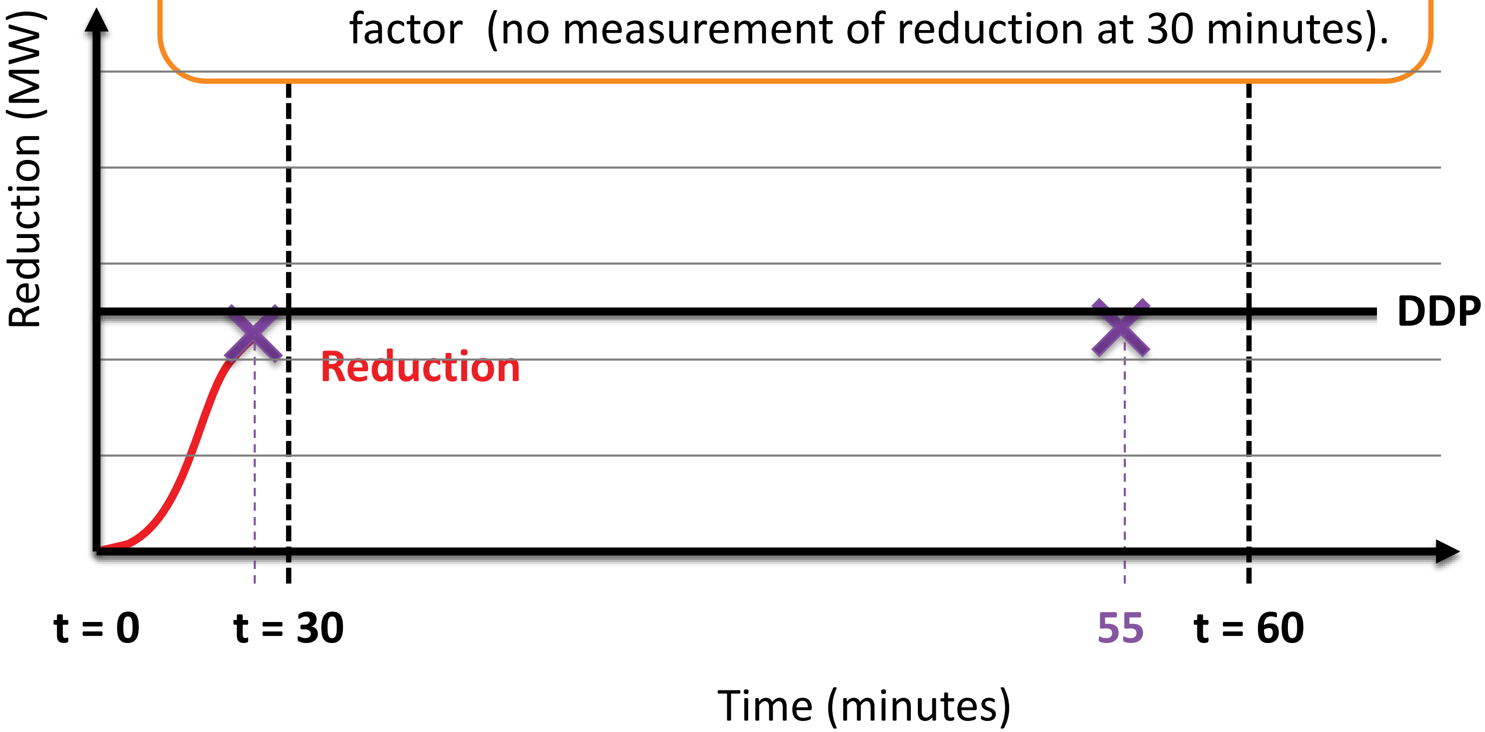
DRR Sustainability

1. DRR meets target at 30 minutes
2. DRR goes out of service at 55 minutes after the dispatch

tes in

- DRR is not dispatched for 30 minutes
- DRR is still available

Result: The **start** will not count towards the performance factor (no measurement of reduction at 30 minutes).



Questions?

Claim 30 = *Maximum Reduction Level* × *Performance Factor*

Next:

- *Examples of calculating performance factor*
- *Specific scenarios which affect claim 30*

Performance Factor Example 1

Weighting Factor / Start Number	**10**	**9**	**8**	**7**	**6**	**5**	**4**	**3**	**2**	**1**
Target Value	48	48	48	48	48	48	48	48	48	48
Actual Reduction	48	48	48	48	48	48	48	48	48	48
Dispatch Performance (*Actual Reduction / Target Reduction*)	1	1	1	1	1	1	1	1	1	1
Weighted Dispatch Performance (*Dispatch Performance x Weighting Factor*)	10	9	8	7	6	5	4	3	2	1

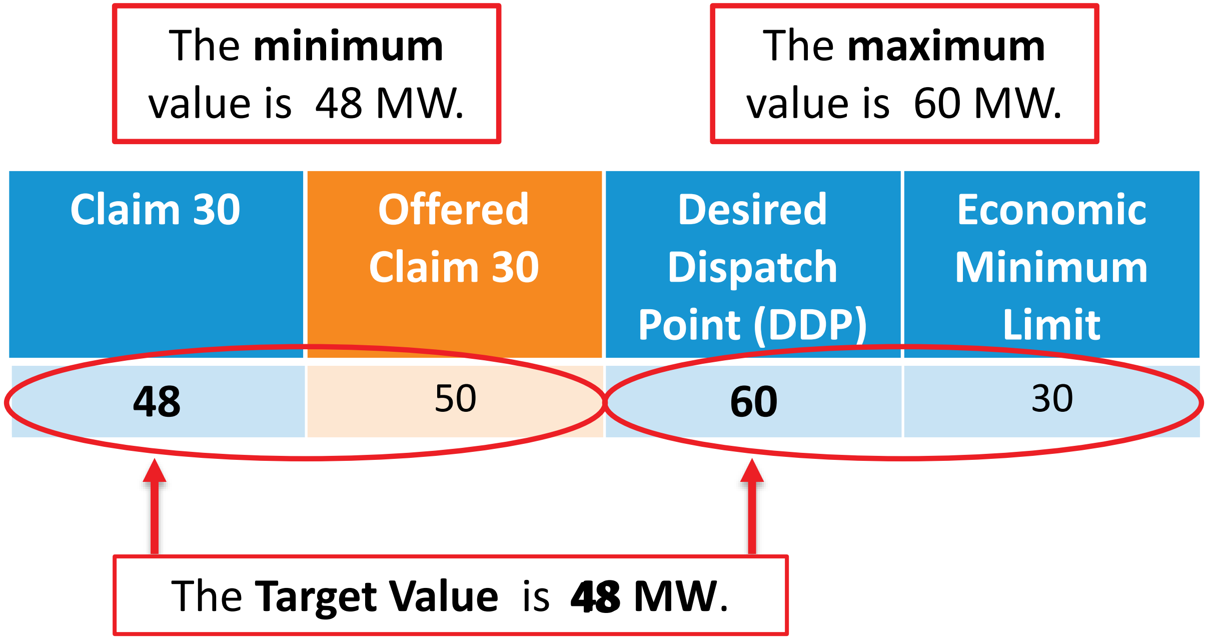
- DRR has a starting performance factor = 1.0
  - 10 starts in last 3 years
  - DRR reached target value during each start
- DRR receives a startup DDP

Example 1

Step 1. Find the Target Value

Results from the most recent start:

DDP	60
Target Value	48
Actual Reduction	40
Dispatch Performance (Actual Reduction ÷ Target Reduction)	40/48
Weighted Dispatch Performance (Dispatch Performance × Weighting Factor)	8.3



The **minimum** value is 48 MW.

The **maximum** value is 60 MW.

Claim 30	Offered Claim 30	Desired Dispatch Point (DDP)	Economic Minimum Limit
48	50	**60**	30

The **Target Value** is **48 MW**.

Example 1

Step 2. Calculate Performance Factor

Results from the most recent start:

DDP	48
Target Value	40
Actual Reduction	
Dispatch Performance (Actual Reduction ÷ Target Reduction)	40/48
Weighted Dispatch Performance (Dispatch Performance × Weighting Factor)	8.3

Weighting Factor / Start Number	10	9	8	7	6	5	4	3	2	1
Target Value	48	48	48	48	48	48	48	48	48	
Actual Reduction	48	48	48	48	48	48	48	48	48	
Dispatch Performance (*Actual Reduction ÷ Target Reduction*)	1	1	1	1	1	1	1	1	1	
Weighted Dispatch Performance (*Dispatch Performance × Weighting Factor*)		9	8	7	6	5	4	3	2	1

This becomes the most recent start

This gets removed

Example 1

Step 2. Calculate Performance Factor

Weighting Factor / Start Number	10	9	8	7	6	5	4	3	2	1
Target Value	48	48	48	48	48	48	48	48	48	48
Actual Output	40	48	48	48	48	48	48	48	48	48
Dispatch Performance (*Actual Output / Target Output*)	40/48	1	1	1	1	1	1	1	1	1
Weighted Dispatch Performance (*Dispatch Performance x Weighting Factor*)	8.3	9	8	7	6	5	4	3	2	1

$$\text{Performance Factor} = \frac{8.3+9+8+7+6+5+4+3+2+1}{10+9+8+7+6+5+4+3+2+1} = \frac{}{55}$$

Performance Factor Example 2

- Using the same target value as the previous example
- Assume that same DRR has had only 3 previous starts in last 3 years and each one the resource has reached target value
  - Starting Performance Factor is 1.0
- DRR receives startup DDP

Results from the most recent start:

DDP	60
Target Value	48
Actual Reduction	40
Dispatch Performance (Actual Reduction ÷ Target Reduction)	40/48
Weighted Dispatch Performance (Dispatch Performance × Weighting Factor	8.3

Example 2

Calculate Performance Factor

Results from the most recent start:

DDP	60
Target Value	48
Actual Reduction	40
Dispatch Performance (Actual Reduction ÷ Target Reduction)	40/48
Weighted Dispatch Performance (Dispatch Performance × Weighting Factor	8.3

Weighting Factor / Start Number	10	9	8	7	6	5	4	3	2	1
Target Value	48	48	48							
Actual Reduction	48	48	48							
Dispatch Performance (Actual Reduction ÷ Target Reduction)	1	1	1							
Weighted Dispatch Performance (Dispatch Performance × Weighting Factor)	10	9	8	7						

becomes the most recent start

shift right

Example 2

Calculate Performance Factor

Weighting Factor / Start Number	**10**	**9**	**8**	**7**	**6**	**5**	**4**	**3**	**2**	**1**
Target Value	48	48	48	48						
Actual Output	40	48	48	48						
Dispatch Performance *(Actual Output / Target Output)*	40/48	1	1	1						
Weighted Dispatch Performance *(Dispatch Pe*	8.3	9	8	7						

$$\text{Performance Factor} = \frac{8.3 + 9 + 8 + 7}{10 + 9 + 8 + 7} = \mathbf{0.95}$$

Specific Scenarios Which Affect Claim 30

- How a resource can increase their maximum reduction level and claim 30
- How a resource can control the amount of reserves it offers to ensure that it can achieve its target value
- How a resource that underperforms gets a reduced claim 30
- How a resource that meets its target value increases its claim 30

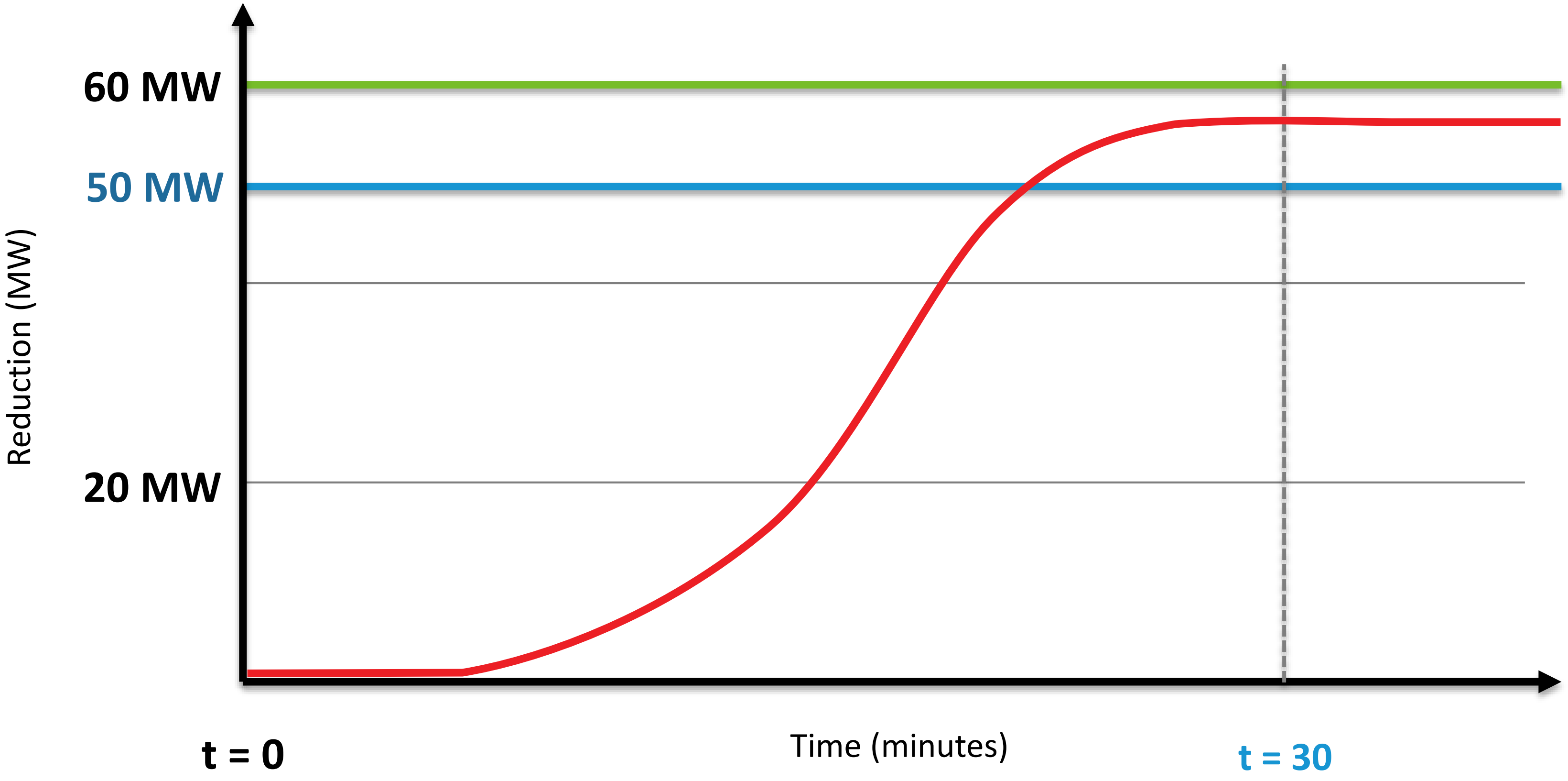
Increasing Claim 30

WEEK 1:

Min Reduction / DDP = 60 MW

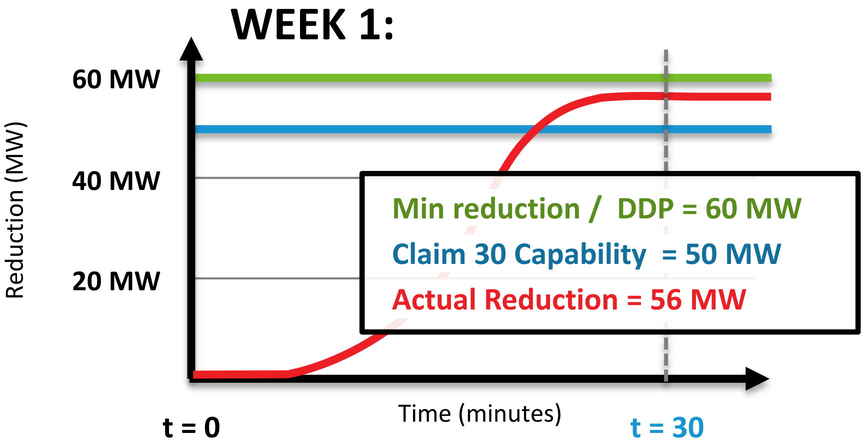
Claim 30 Capability = 50 MW

Actual Reduction = 56 MW



Increasing Claim 30

Increasing the maximum reduction level will increase the Claim 30 of a resource.



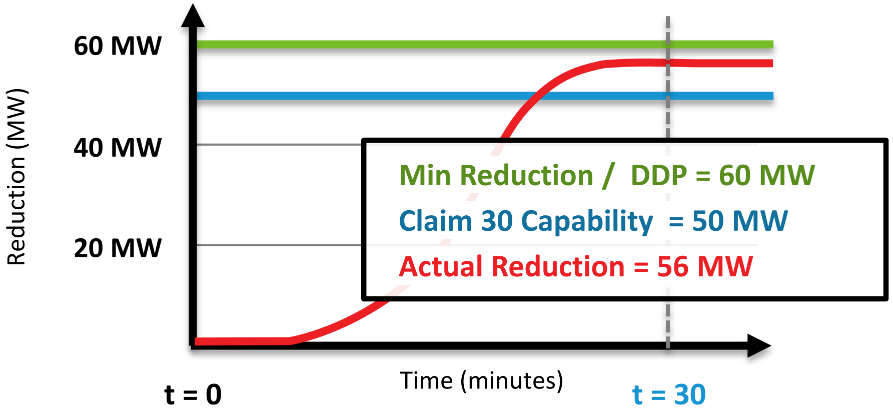
Week	Maximum Reduction Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct.
1	50	1.0	50	50	60	60	50	56
3	56	1.0	56	20				
4	56	0.909	50.9					

ISO honors minimum reduction const and sends a DD **60 MW**

Resource produces **56 MW** at 30 minutes

Increasing Claim 30

Assuming no additional dispatches in Week 1, the maximum reduction level in Week 2 will increase to 56 MW since it demonstrated the ability to reach 56 MW.



Week	Maximum Output Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct.
1	50	1.0	50	50	60	60	50	56
3	56						20	10
4	56							

The resource performed up to its target value, so the **performance factor** remains at **1.0**.

1. How Maximum Reduction Affects Claim 30

Claim 30 = *Maximum Reduction Level* × *Performance Factor*

56 MW × **1.0**

= **56 MW**

Week	Maximum reduction level	Performance factor	Claim 30 value	Offered Claim 30	Minimum Reduction	DDP	Target value	Actual Reduct.
1	50	1.0	50	50	60	60	50	56
2	56	1.0						

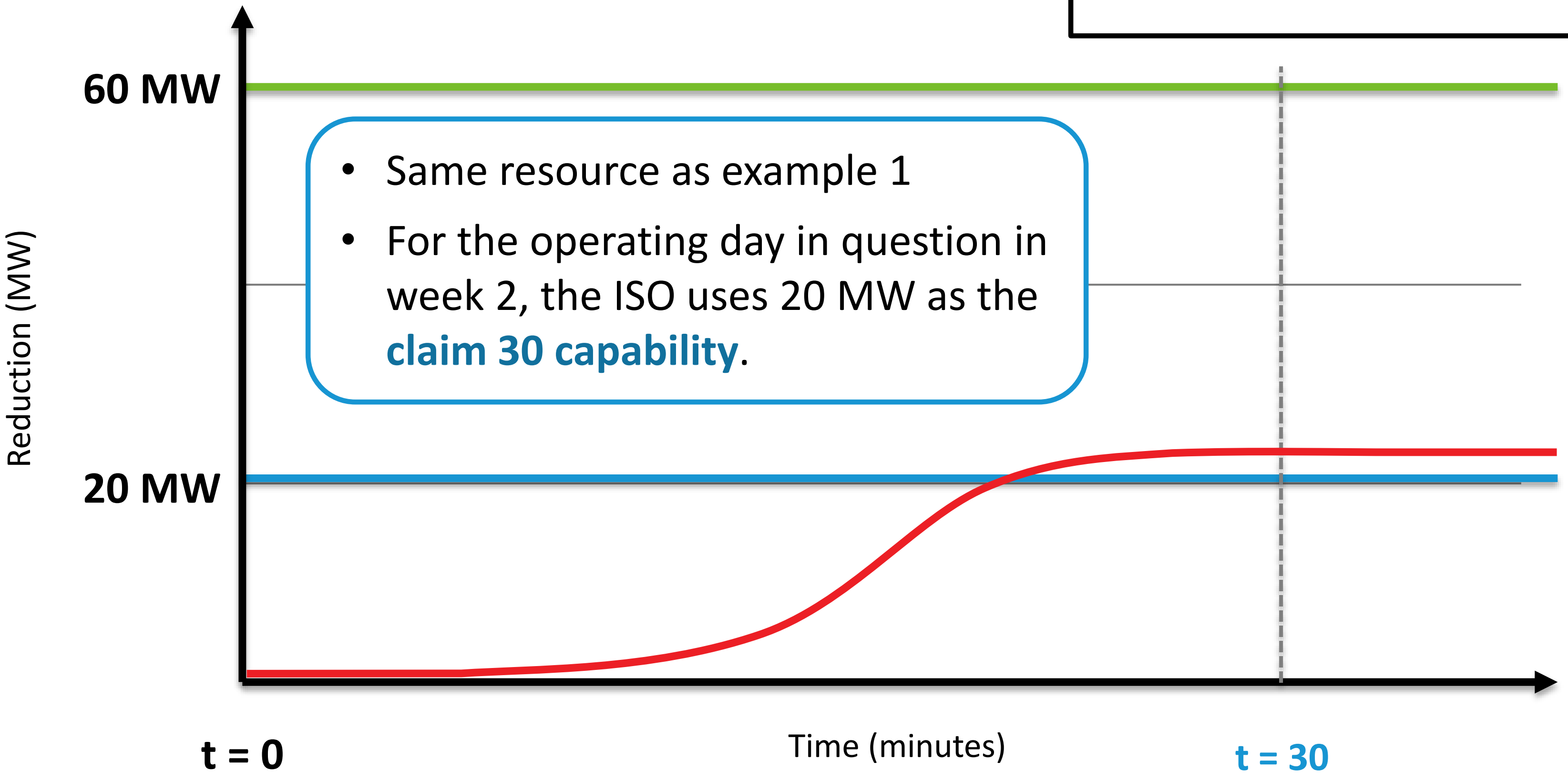
2.Achieve Target Value by Controlling Reserves

WEEK 2:

Min Reduction / DDP = 60 MW

Claim 30 Capability = 20 MW

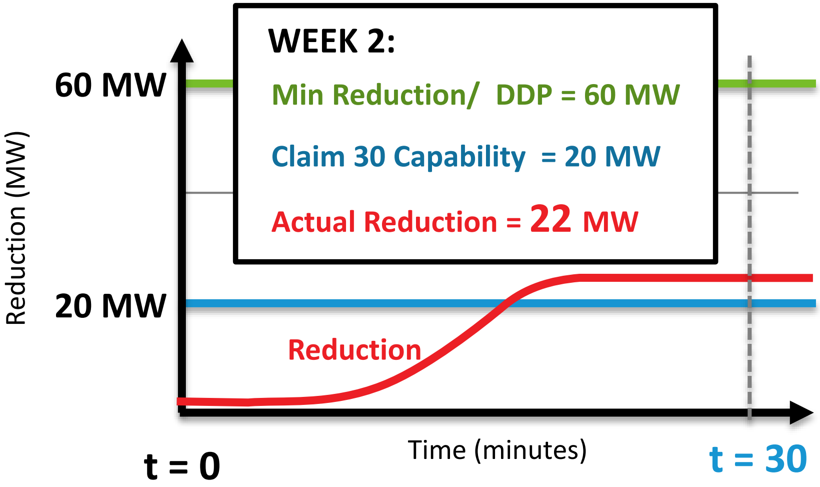
Actual Reduction = 22 MW



- Same resource as example 1
- For the operating day in question in week 2, the ISO uses 20 MW as the **claim 30 capability**.

2. Achieve Target Value by Controlling Reserves

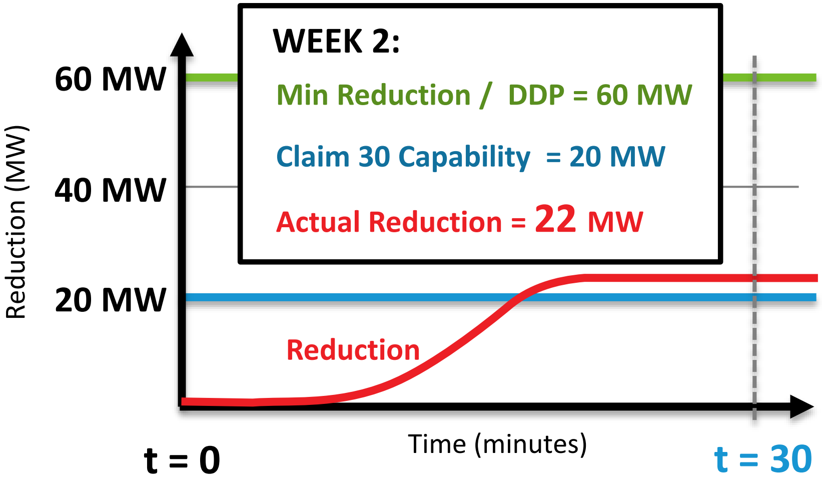
If the minimum reduction of the resource continues to be 60 MW, ISO will send a DDP of 60MW.



Week	Maximum Reduction Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct.
1	50	1.0	50	50	60	60	50	56
2	**56**	**1.0**	**56**	**20**				

2. Achieve Target Value by Controlling Reserves

The resource reached the Target Value in 30 minutes, so Week 3 performance factor remains at 1.0 and the claim 30 remains at 56 MW.



ISO dispatches a resource from a not dispatched state with these assumptions:

Week	Maximum Reduction Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct.
1	50	1.0	50	50	60	60	50	56
2	56	1.0	56	20	60	60	**20**	**22**
3	**56**	**1.0**	**56**					

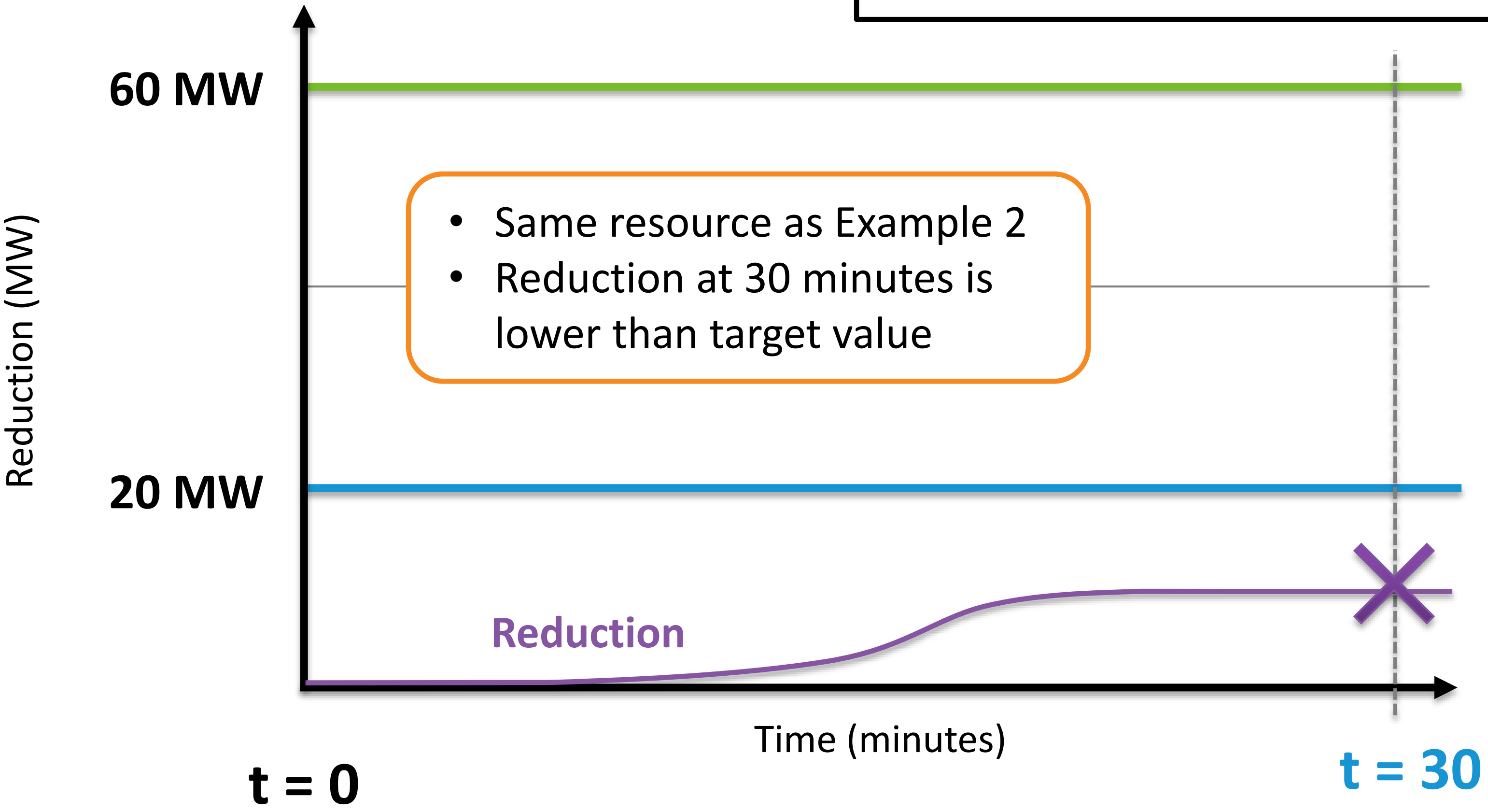
3. Effect on Claim 30 When a Resource Does Not Reach Target Value

WEEK 3:

Min Reduction / DDP = 60 MW

Claim 30 Capability = 20 MW

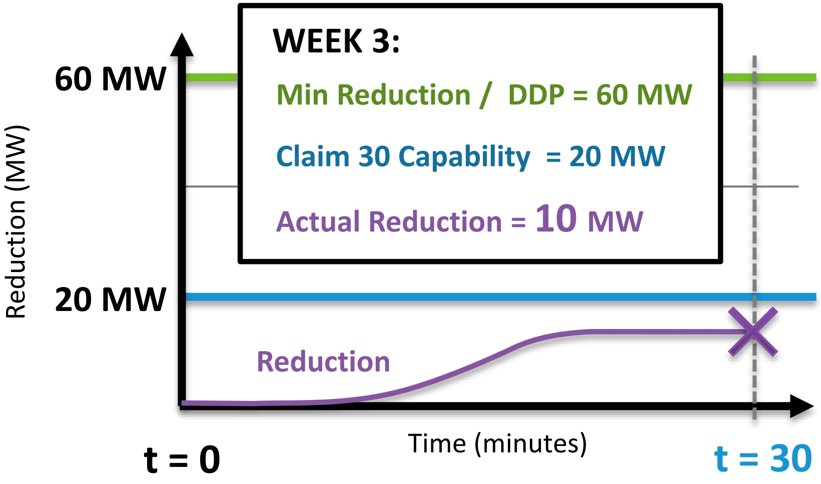
Actual Reduction = 10 MW



- Same resource as Example 2
- Reduction at 30 minutes is lower than target value

3. Effect on Claim 30 When a Resource Does Not Reach Target Value

A Market Participant offers a claim 30 of 20 MW for the resource from Example 2, but the resource does not meet its target value.



ISO dispatches a resource from a not dispatched state with these assumptions:

Week	Maximum Reduction Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct.
1	50	1.0	50	50	60	60	50	56
2	56	1.0	56	20	60	60	20	22
3	56	1.0	56	20	60	60	**20**	**10**

3. Effect on Claim 30 When Resource Does Not Reach Target Value

Weighting Factor / Start Number	**10**	**9**	**8**	**7**	**6**	**5**	**4**	**3**	**2**	**1**
Target Value	20	50	50	50	50	50	50	50	50	
Actual Reduction	22	56	50	50	50	50	50	50	50	
Dispatch Performance (*Actual Reduction / Target Reduction*)	1	1	1	1	1	1	1	1	1	
Weighted Dispatch Performance (*Dispatch Performance x Weighting Factor*)	10	9	8	7	6	5	4	3	2	1

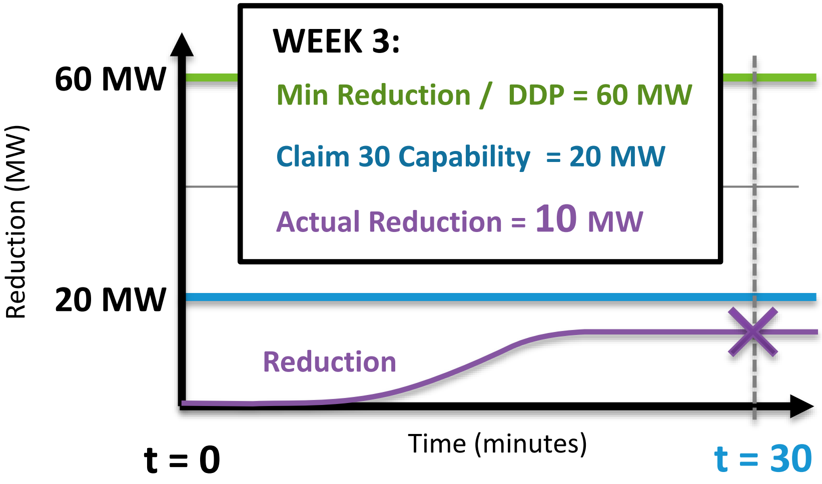
This becomes the most recent start

This gets removed

$$\textbf{Performance Factor} = \frac{5 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1}{10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1} = \mathbf{0.909}$$

3. Effect on Claim 30 When a Resource Does Not Reach Target Value

When performance factor decreases in Week 3, it causes the Claim 30 to decrease in Week 4.



WEEK 3:

Min Reduction / DDP = 60 MW

Claim 30 Capability = 20 MW

Actual Reduction = 10 MW

ISO dispatches a resource from a not dispatched state with these assumptions:

Week	Maximum Reduction Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct
1	50	1.0	50	50	60	60	50	56
2	56	1.0	56	20	60	60	20	22
3	56	1.0	56	20	60	60	20	10
4	**56**	**0.909**	**50.9**					

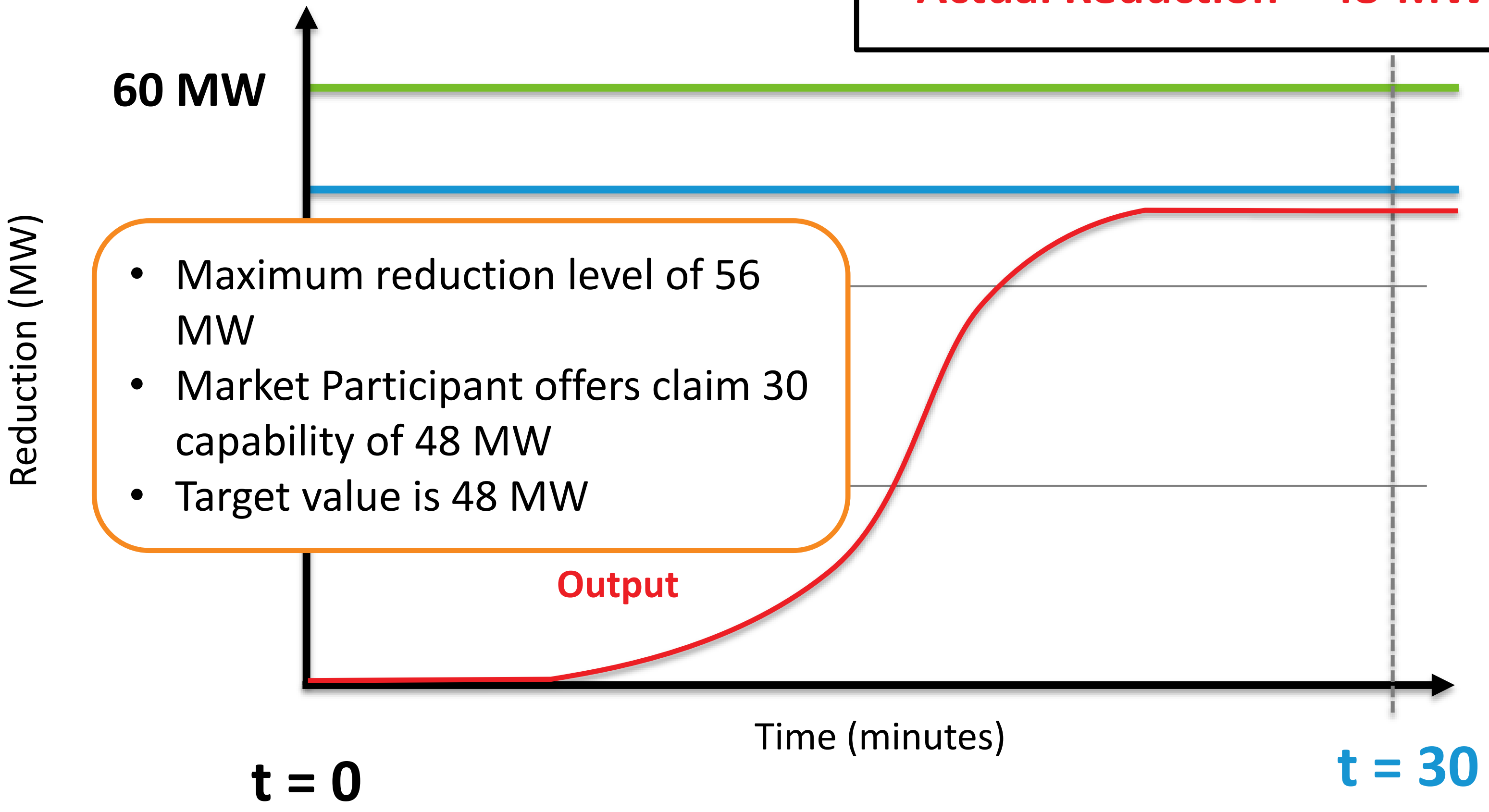
Actual Reduction ≥ Target Value

WEEK 4:

Min Reduction / DDP = 60 MW

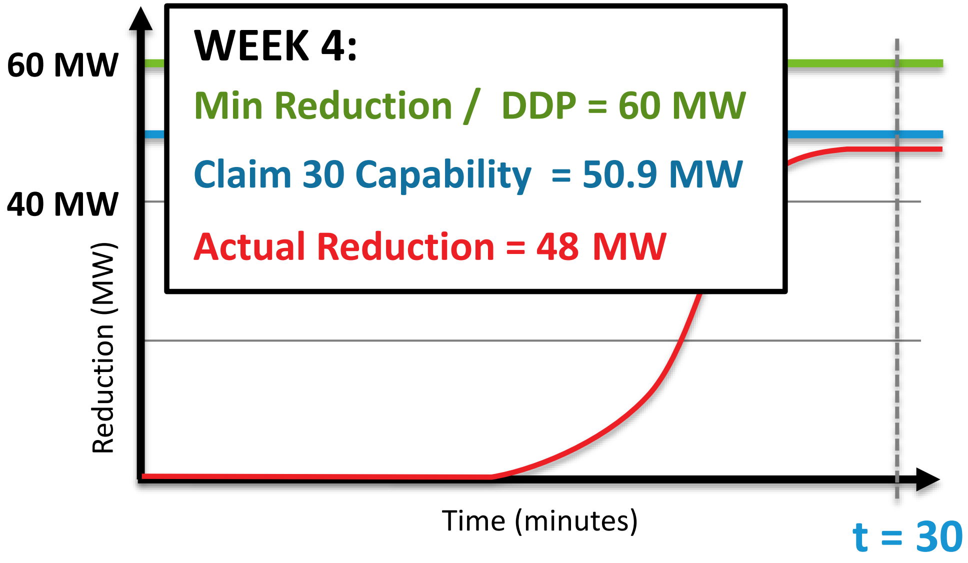
Claim 30 Capability = 50.9 MW

Actual Reduction = 48 MW



- Maximum reduction level of 56 MW
- Market Participant offers claim 30 capability of 48 MW
- Target value is 48 MW

4. Actual Reduction ≥ Target value



WEEK 4:

Min Reduction / DDP = 60 MW

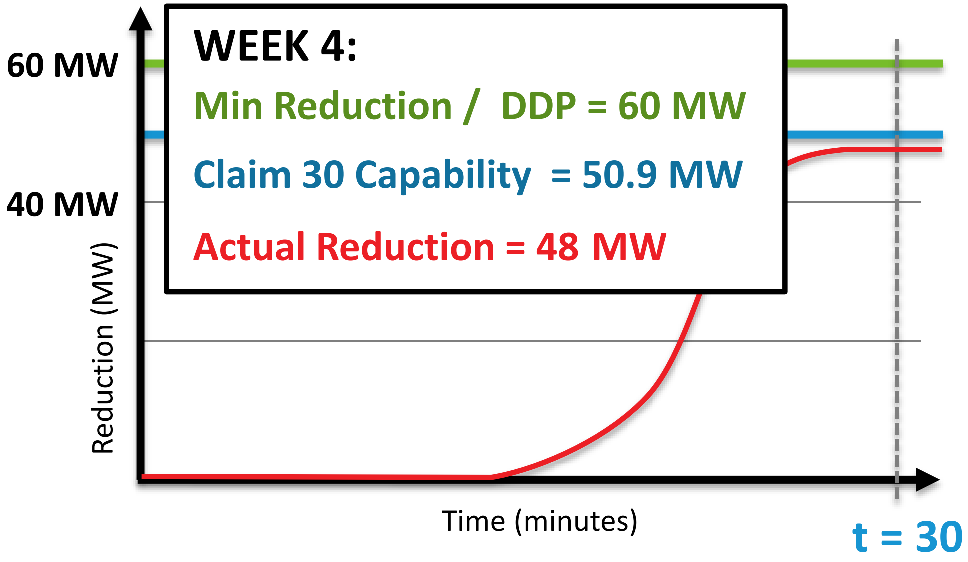
Claim 30 Capability = 50.9 MW

Actual Reduction = 48 MW

Week	Maximum Reduction Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct.
1	50	1.0	50	50	60	60	50	56
2	56	1.0	56	20	60	60	20	22
3	56	1.0	56	20	60	60	20	10
4	56	0.909	50.9					

4. Actual Reduction ≥ Target Value

- Performance factor will increase because, for this dispatch, a value of 1 will be utilized in calculating the performance factor.
- Claim 30 will increase because the performance factor increased.



WEEK 4:

Min Reduction / DDP = 60 MW

Claim 30 Capability = 50.9 MW

Actual Reduction = 48 MW

Week	Maximum Reduction Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct.
1	50	1.0	50	50	60	60	50	56
2	56	1.0	56	20	60	60	20	22
3	56	1.0	56	20	60	60	20	10
4	56	0.909	50.9	**48**	60	60	**48**	**48**
5	**56**							

Example 4: Actual Reduction ≥ Target Value

Weighting Factor / Start Number	10	9	8	7	6	5	4	3	2	1
DDP	60	60	60	60	60	60	60	60	60	60
Target Value	48	20	20	50	50	50	50	50	50	50
Actual Reduction	48	10	22	56	50	50	50	50	50	50
Dispatch Performance *(Actual Reduction / Target Reduction)*	48/48	.5	1	1	1	1	1	1	1	1
Weighted Dispatch Performance *(Dispatch Performance x Weighting Factor)*	10	4.5	8	7	6	5	4	3	2	1

$$\textbf{Performance Factor} = \frac{10 + 4.5 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1}{10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1} = \mathbf{0.918}$$

Example 4: Actual Reduction ≥ Target value (cont.)

Claim 30 = *Maximum Reduction Level* × *Performance Factor*

56 MW × .918

= 51.4 MW

Week	Maximum Reduction Level	Performance Factor	Claim 30	Offered Claim 30	Minimum Reduction	DDP	Target Value	Actual Reduct.
…								
4	56	0.909	50.9	48	60	60	48	48
5	**56**	**0.918**	**51.4**					

Questions?

Next:

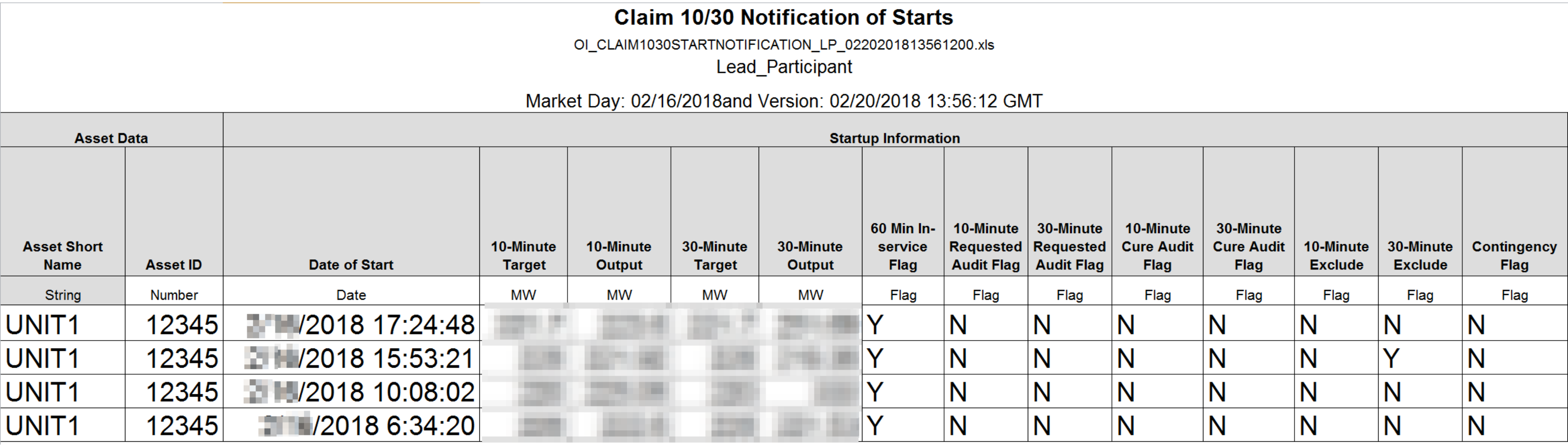
- *Performance factor cure*
- *Reports*

Performance Factor Cure

- May be requested if unit has:
  - Chronic problem that meets criteria in Market Rule
  - Major overhaul
- Submit plan to ISO
- Perform maintenance
- Perform audit
- Following audit:
  - All prior history is removed
  - Performance factor set to 1

Tariff Section III.9.5.3

Claim10/30 Notification of Starts



Claim 10/30 Notification of Starts

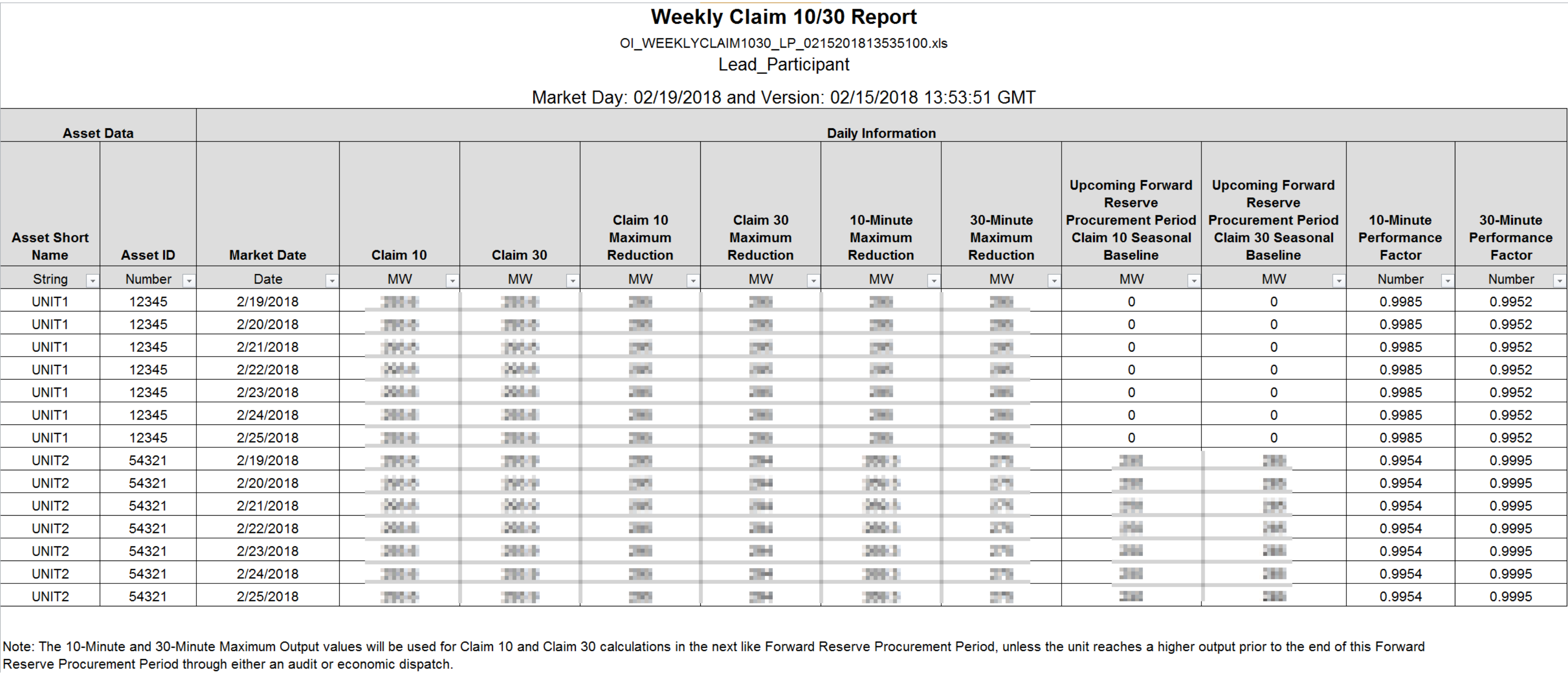
OI_CLAIM1030STARTNOTIFICATION_LP_0220201813561200.xls

Lead_Participant

Market Day: 02/16/2018and Version: 02/20/2018 13:56:12 GMT

Asset Data		Startup Information											
Asset Short Name	Asset ID	Date of Start	10-Minute Target	10-Minute Output	30-Minute Target	30-Minute Output	60 Min In-service Flag	10-Minute Requested Audit Flag	30-Minute Requested Audit Flag	10-Minute Cure Audit Flag	30-Minute Cure Audit Flag	10-Minute Exclude	30-Minute Exclude	Contingency Flag
String	Number	Date	MW	MW	MW	MW	Flag	Flag	Flag	Flag	Flag	Flag	Flag	Flag
UNIT1	12345	[redacted]/2018 17:24:48	[redacted]	[redacted]	[redacted]	[redacted]	Y	N	N	N	N	N	N	N
UNIT1	12345	[redacted]/2018 15:53:21	[redacted]	[redacted]	[redacted]	[redacted]	Y	N	N	N	N	N	Y	N
UNIT1	12345	[redacted]/2018 10:08:02	[redacted]	[redacted]	[redacted]	[redacted]	Y	N	N	N	N	N	N	N
UNIT1	12345	[redacted]/2018 6:34:20	[redacted]	[redacted]	[redacted]	[redacted]	Y	N	N	N	N	N	N	N

Weekly Claim10/30 Report



Weekly Claim 10/30 Report

OI_WEEKLYCLAIM1030_LP_0215201813535100.xls

Lead_Participant

Market Day: 02/19/2018 and Version: 02/15/2018 13:53:51 GMT

Asset Data		Daily Information										
Asset Short Name	Asset ID	Market Date	Claim 10	Claim 30	Claim 10 Maximum Reduction	Claim 30 Maximum Reduction	10-Minute Maximum Reduction	30-Minute Maximum Reduction	Upcoming Forward Reserve Procurement Period Claim 10 Seasonal Baseline	Upcoming Forward Reserve Procurement Period Claim 30 Seasonal Baseline	10-Minute Performance Factor	30-Minute Performance Factor
String	Number	Date	MW	MW	MW	MW	MW	MW	MW	MW	Number	Number
UNIT1	12345	2/19/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	0	0.9985	0.9952
UNIT1	12345	2/20/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	0	0.9985	0.9952
UNIT1	12345	2/21/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	0	0.9985	0.9952
UNIT1	12345	2/22/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	0	0.9985	0.9952
UNIT1	12345	2/23/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	0	0.9985	0.9952
UNIT1	12345	2/24/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	0	0.9985	0.9952
UNIT1	12345	2/25/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	0	0.9985	0.9952
UNIT2	54321	2/19/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0.9954	0.9995
UNIT2	54321	2/20/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0.9954	0.9995
UNIT2	54321	2/21/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0.9954	0.9995
UNIT2	54321	2/22/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0.9954	0.9995
UNIT2	54321	2/23/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0.9954	0.9995
UNIT2	54321	2/24/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0.9954	0.9995
UNIT2	54321	2/25/2018	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0.9954	0.9995

Note: The 10-Minute and 30-Minute Maximum Output values will be used for Claim 10 and Claim 30 calculations in the next like Forward Reserve Procurement Period, unless the unit reaches a higher output prior to the end of this Forward Reserve Procurement Period through either an audit or economic dispatch.

Summary

Do what you offer.

Offer what you do.

Questions?

Customer Support Information

Ask ISO (preferred)

- Self-service interface for submitting inquiries
- Accessible through the SMD Applications Homepage
- Requires a valid digital certificate with the role of Ask ISO/External User (Contact your security administrator for assistance)

Other Methods of Contacting Customer Support

Method	Contact Information	Availability
Email	custserv@iso-ne.com	Anytime
Phone*	(413) 540-4220	Monday through Friday 8:00 a.m. to 5:00 p.m. (EST)
Pager (emergency inquiries)	(877) 226-4814	Outside of regular business hours

* *Recorded/monitored conversations*

Appendix

DRA Operational Status Requirements

DRA

- It is in the Monthly Communications Model *(registration process)*
  - 'Approved' by ISO in CAMS
  - Telemetry is installed & operational
  - Mapped to an operational **DRR**
- It has a baseline built for the day-type *(only done once)*
- Meter issue flag is set to 'No' in CAMS
- Has no scheduled curtailments in CAMS for the operating day

If any of these criteria are not met the **DRA**'s status is **automatically non-operational** and it **will not** contribute to **DRR** reduction values

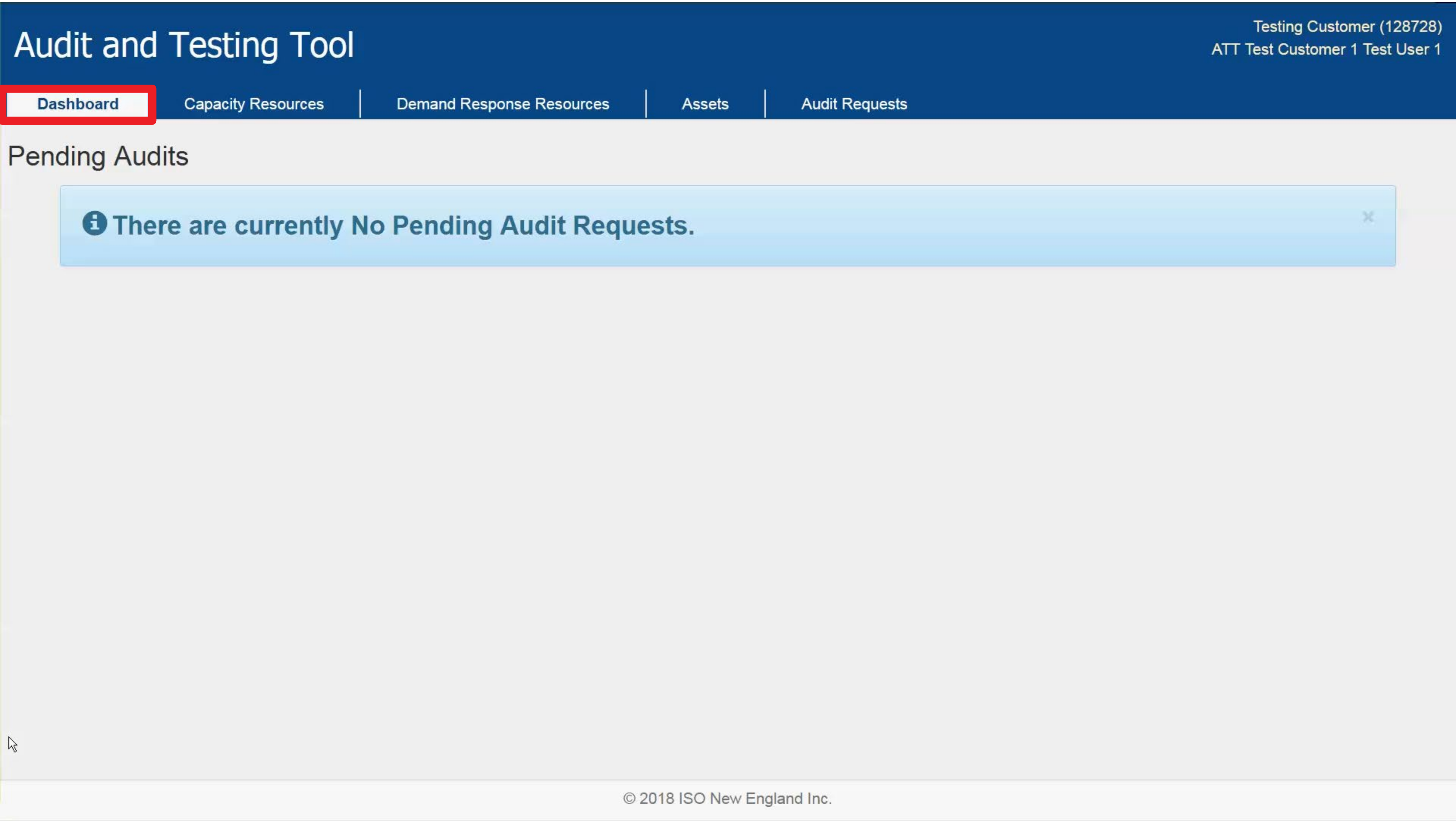
Important Note

Screenshots are from a testing environment

Appearance on June 1, 2018 may be very slightly different than the screenshots shown here.

Scenarios were built for training purposes and may not reflect how things will look in production

Dashboard – Home Screen



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Pending Audits

There are currently No Pending Audit Requests.

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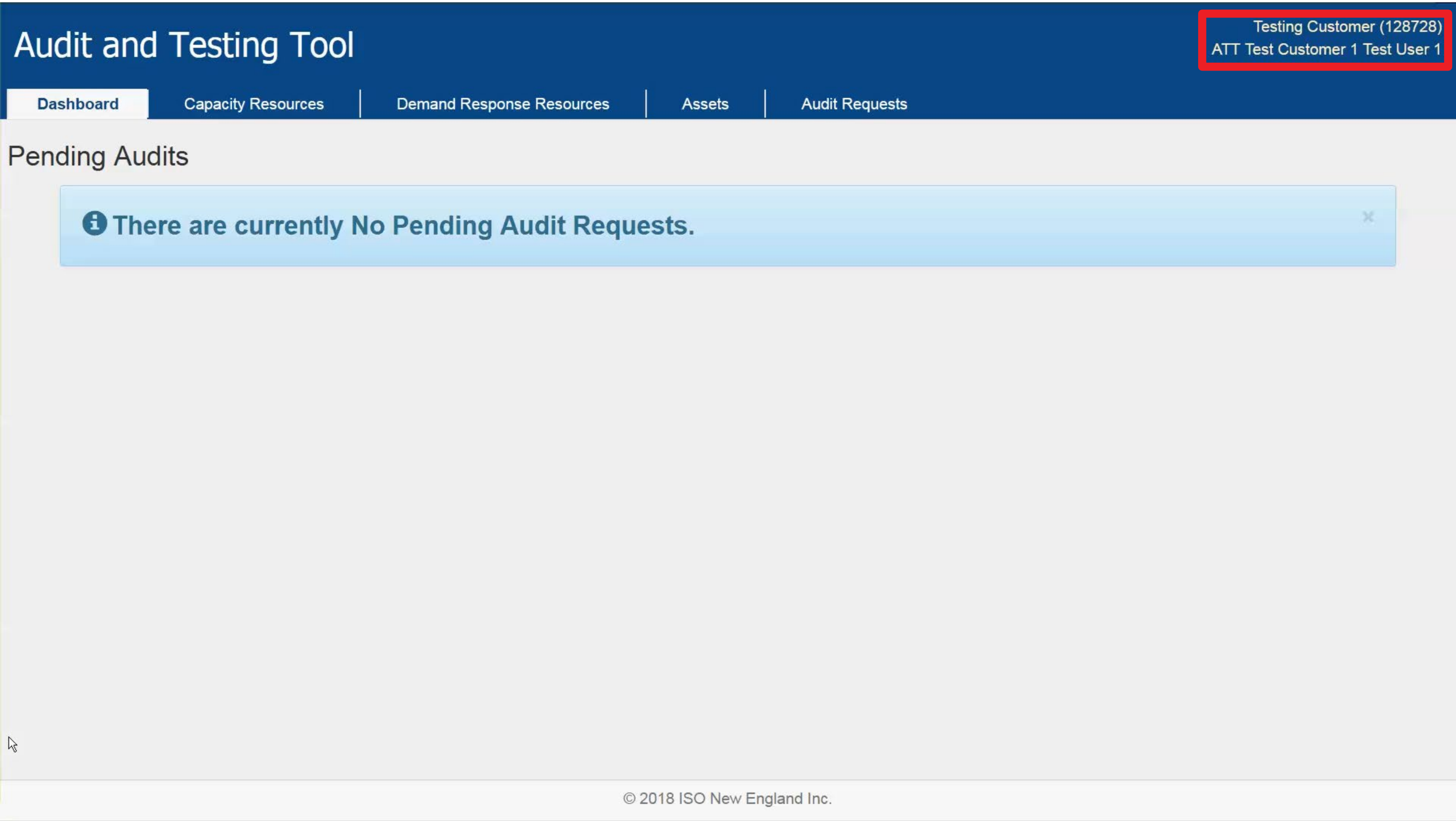
Your Current User is Shown at the Top-Right Corner


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Pending Audits

There are currently No Pending Audit Requests.

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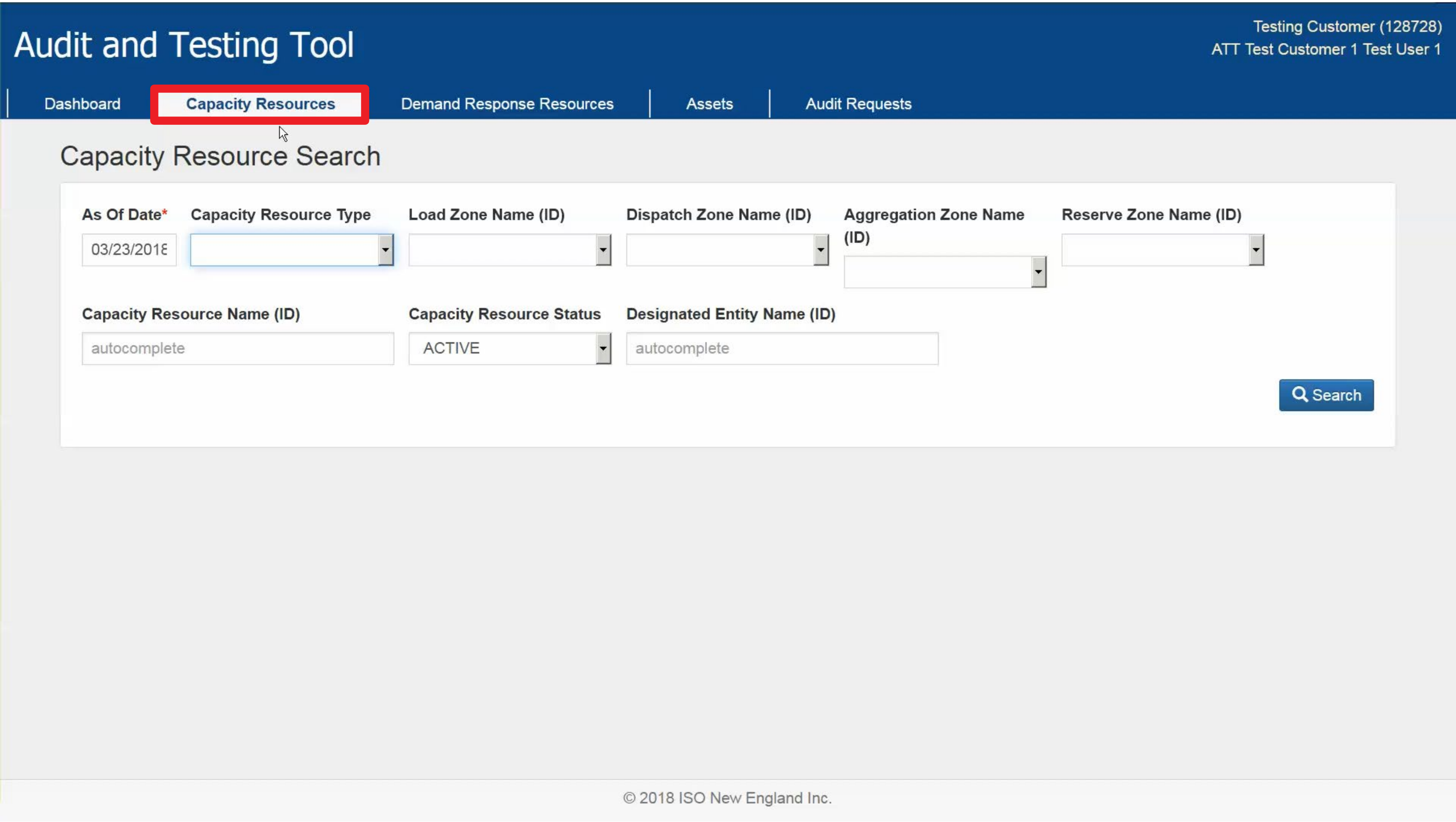
Capacity Resources Tab


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests
Capacity Resource Search
Search
© 2018 ISO New England Inc.

As Of Date*: 03/23/2018

Capacity Resource Type:

Load Zone Name (ID):

Dispatch Zone Name (ID):

Aggregation Zone Name (ID):

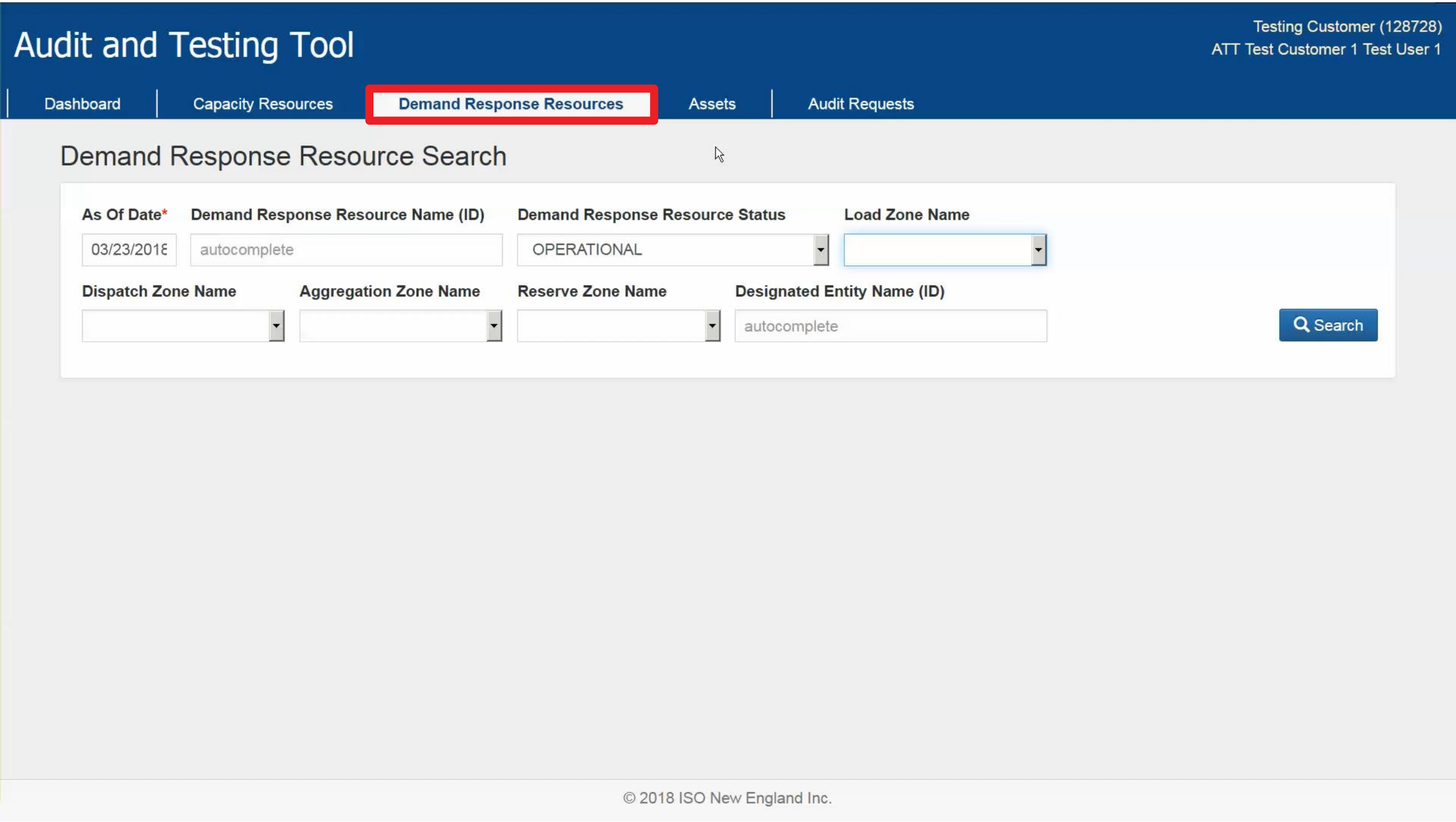
Reserve Zone Name (ID):

Capacity Resource Name (ID): autocomplete

Capacity Resource Status: ACTIVE

Designated Entity Name (ID): autocomplete

DRR Tab


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Demand Response Resource Search

As Of Date*: 03/23/2018

Demand Response Resource Name (ID): autocomplete

Demand Response Resource Status: OPERATIONAL

Load Zone Name:

Dispatch Zone Name:

Aggregation Zone Name:

Reserve Zone Name:

Designated Entity Name (ID): autocomplete

Search

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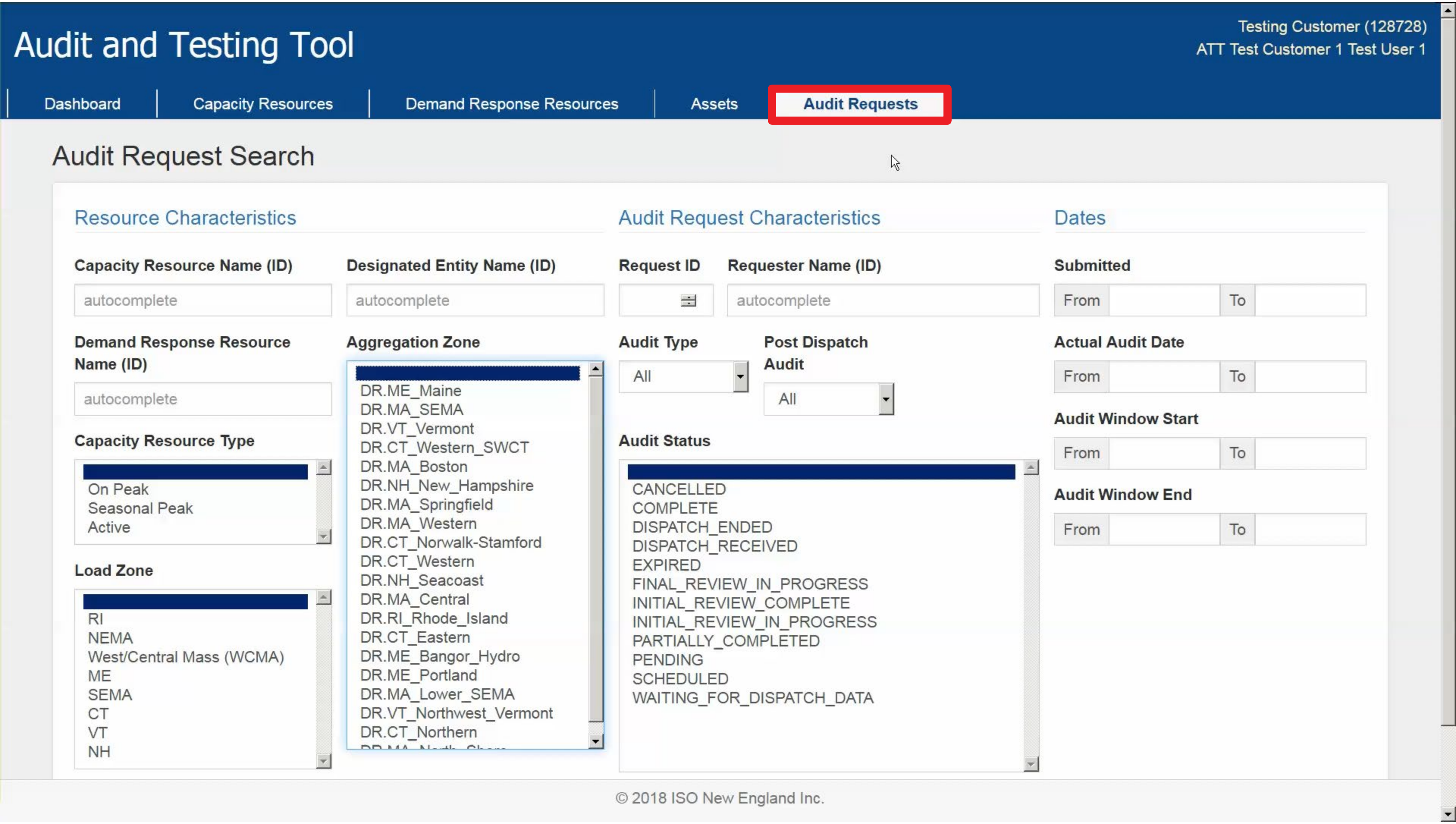
Audit Requests Tab



Audit and Testing Tool

Testing Customer (128728)
ATT Test Customer 1 Test User 1

Audit Request Search

Resource Characteristics

Capacity Resource Name (ID): autocomplete

Designated Entity Name (ID): autocomplete

Demand Response Resource Name (ID): autocomplete

Capacity Resource Type
- On Peak
- Seasonal Peak
- Active

Load Zone
- RI
- NEMA
- West/Central Mass (WCMA)
- ME
- SEMA
- CT
- VT
- NH

Aggregation Zone
- DR.ME_Maine
- DR.MA_SEMA
- DR.VT_Vermont
- DR.CT_Western_SWCT
- DR.MA_Boston
- DR.NH_New_Hampshire
- DR.MA_Springfield
- DR.MA_Western
- DR.CT_Norwalk-Stamford
- DR.CT_Western
- DR.NH_Seacoast
- DR.MA_Central
- DR.RI_Rhode_Island
- DR.CT_Eastern
- DR.ME_Bangor_Hydro
- DR.ME_Portland
- DR.MA_Lower_SEMA
- DR.VT_Northwest_Vermont
- DR.CT_Northern

Audit Request Characteristics

Request ID

Requester Name (ID): autocomplete

Audit Type: All

Post Dispatch Audit: All

Audit Status
- CANCELLED
- COMPLETE
- DISPATCH_ENDED
- DISPATCH_RECEIVED
- EXPIRED
- FINAL_REVIEW_IN_PROGRESS
- INITIAL_REVIEW_COMPLETE
- INITIAL_REVIEW_IN_PROGRESS
- PARTIALLY_COMPLETED
- PENDING
- SCHEDULED
- WAITING_FOR_DISPATCH_DATA

Dates

Submitted: From To

Actual Audit Date: From To

Audit Window Start: From To

Audit Window End: From To

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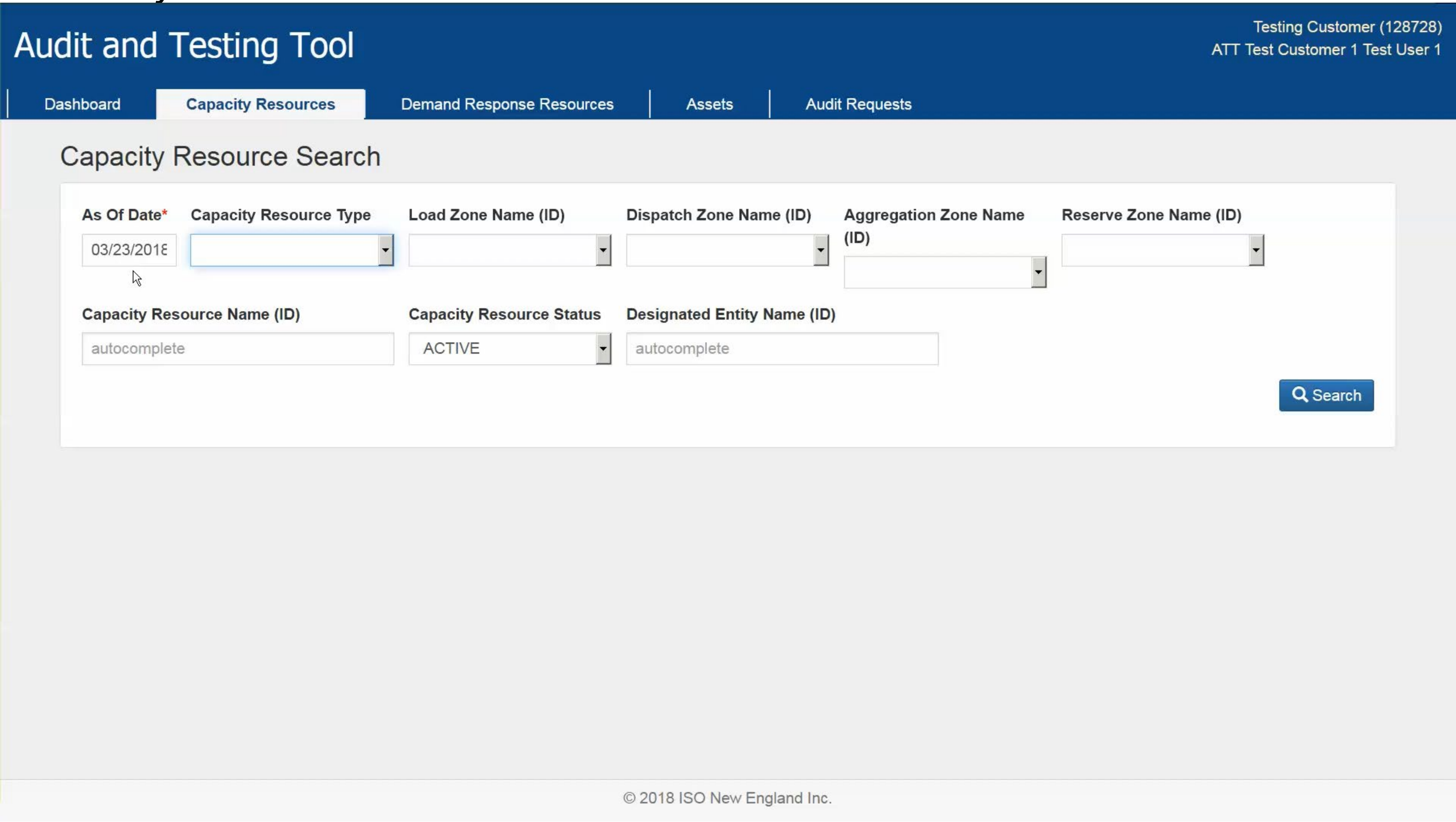
Back to the Capacity Resources Tab

Search for a Resource



Audit and Testing Tool

Testing Customer (128728)
ATT Test Customer 1 Test User 1

Capacity Resource Search

As Of Date*: 03/23/2018

Capacity Resource Status: ACTIVE

Capacity Resource Name (ID): autocomplete

Designated Entity Name (ID): autocomplete

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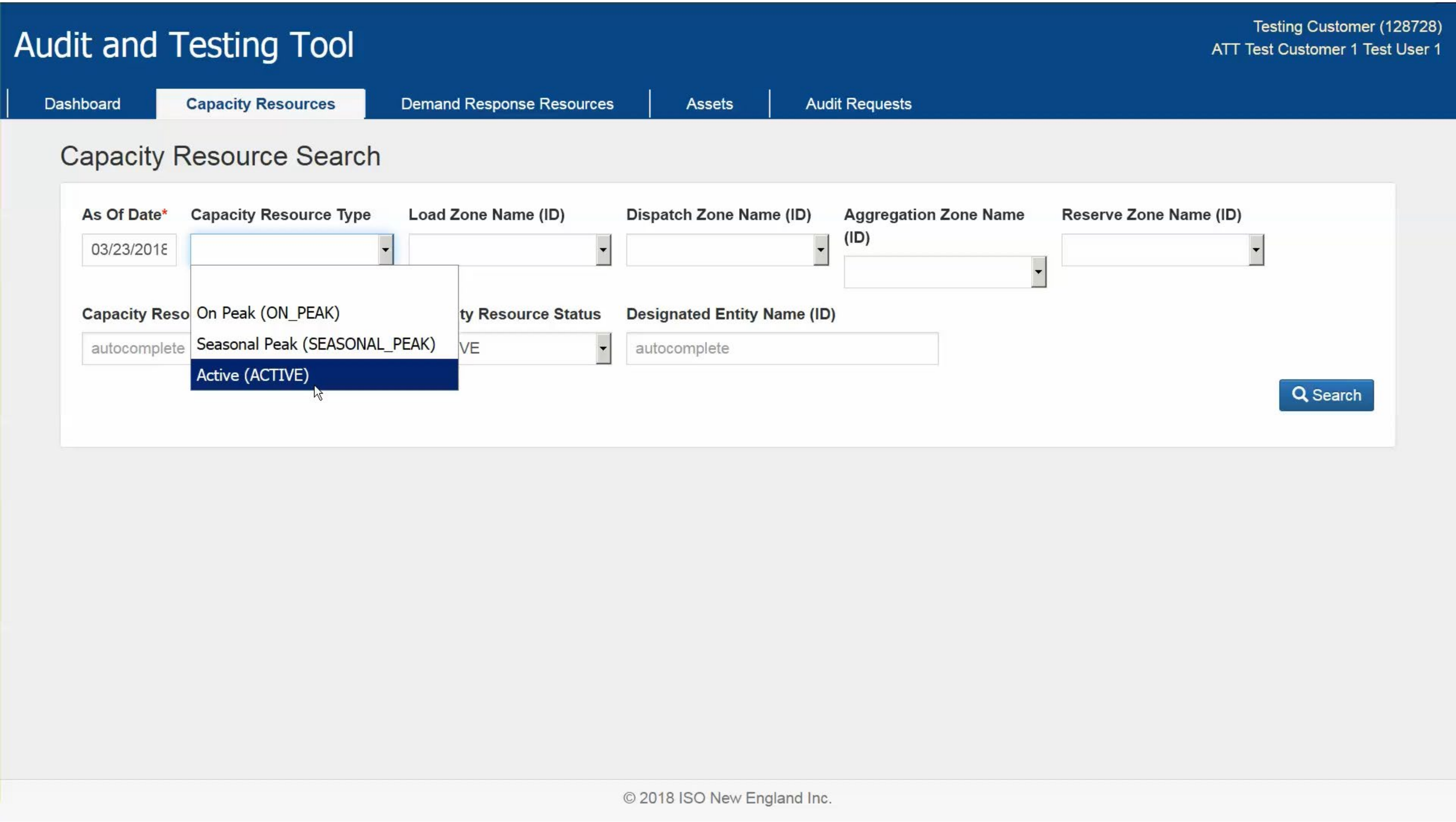
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests
Capacity Resource Type
Load Zone Name (ID)
Dispatch Zone Name (ID)
Aggregation Zone Name (ID)
Reserve Zone Name (ID)
Search

Use Dropdown Menus to Narrow Your Search



Audit and Testing Tool

Testing Customer (128728)
ATT Test Customer 1 Test User 1

Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Capacity Resource Search

As Of Date*: 03/23/2018

Capacity Resource Type

Load Zone Name (ID)

Dispatch Zone Name (ID)

Aggregation Zone Name (ID)

Reserve Zone Name (ID)

Capacity Reso: autocomplete

ty Resource Status: VE

Designated Entity Name (ID): autocomplete

On Peak (ON_PEAK)
Seasonal Peak (SEASONAL_PEAK)
Active (ACTIVE)
Search

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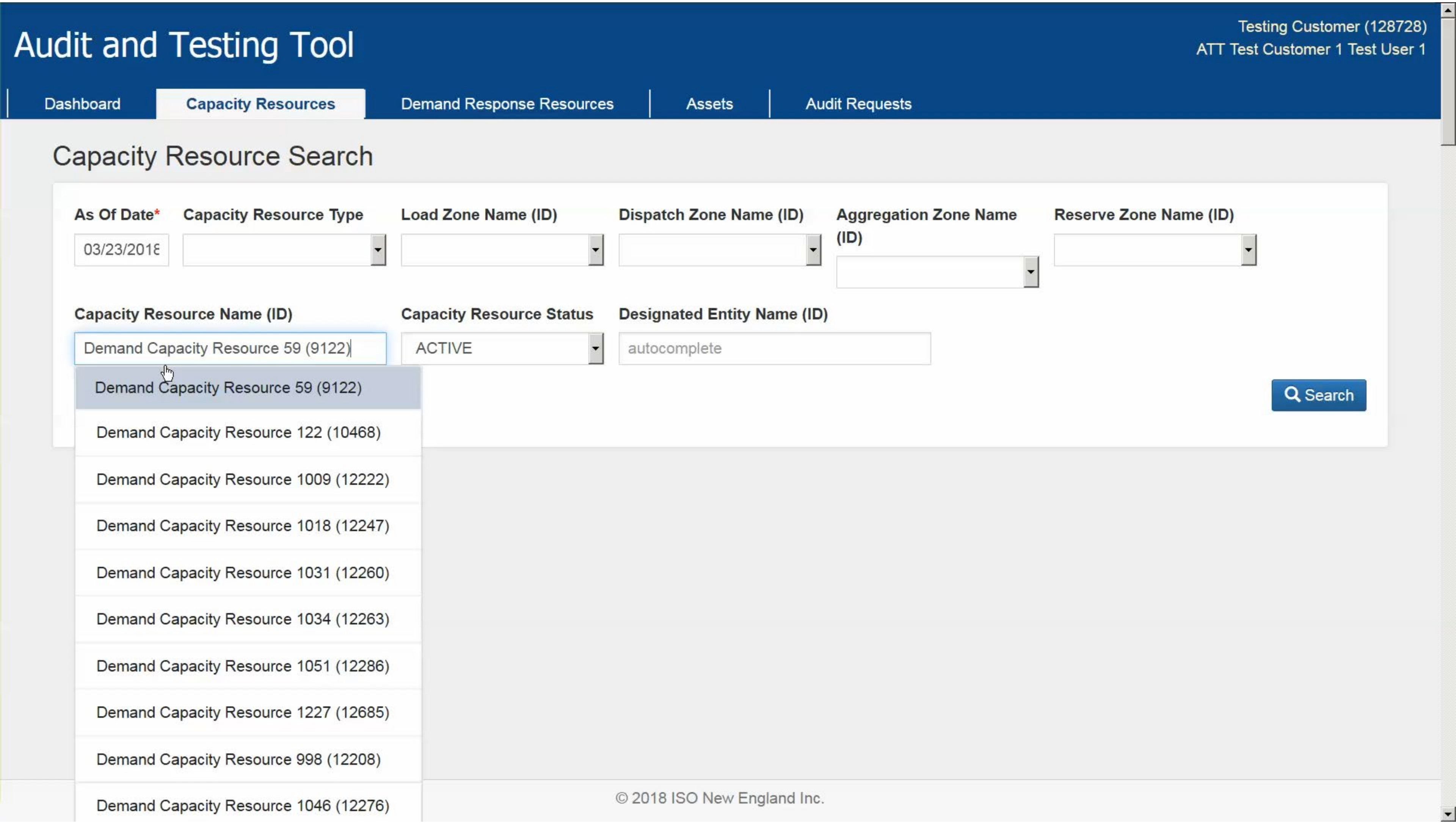
Autocomplete Shows Options as You Type



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Capacity Resource Search

As Of Date*: 03/23/2018

Capacity Resource Type:

Load Zone Name (ID):

Dispatch Zone Name (ID):

Aggregation Zone Name (ID):

Reserve Zone Name (ID):

Capacity Resource Name (ID): Demand Capacity Resource 59 (9122)

Capacity Resource Status: ACTIVE

Designated Entity Name (ID): autocomplete

- Demand Capacity Resource 59 (9122)
- Demand Capacity Resource 122 (10468)
- Demand Capacity Resource 1009 (12222)
- Demand Capacity Resource 1018 (12247)
- Demand Capacity Resource 1031 (12260)
- Demand Capacity Resource 1034 (12263)
- Demand Capacity Resource 1051 (12286)
- Demand Capacity Resource 1227 (12685)
- Demand Capacity Resource 998 (12208)
- Demand Capacity Resource 1046 (12276)

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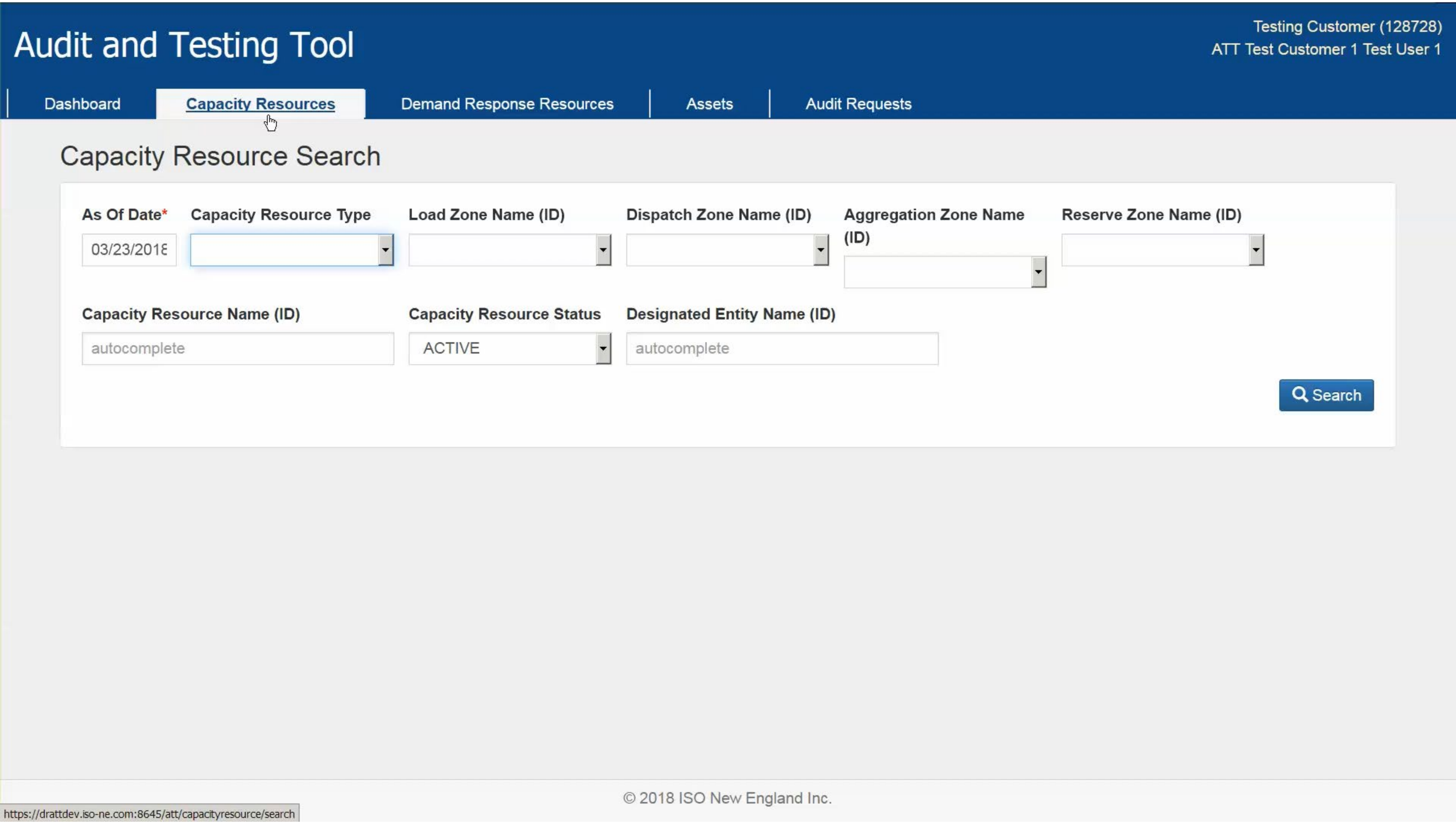
Reset All Search Fields by Re-Clicking on the Tab Name



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Capacity Resource Search

As Of Date*	Capacity Resource Type	Load Zone Name (ID)	Dispatch Zone Name (ID)	Aggregation Zone Name (ID)	Reserve Zone Name (ID)
03/23/2018					

Capacity Resource Name (ID)	Capacity Resource Status	Designated Entity Name (ID)
autocomplete	ACTIVE	autocomplete

Search
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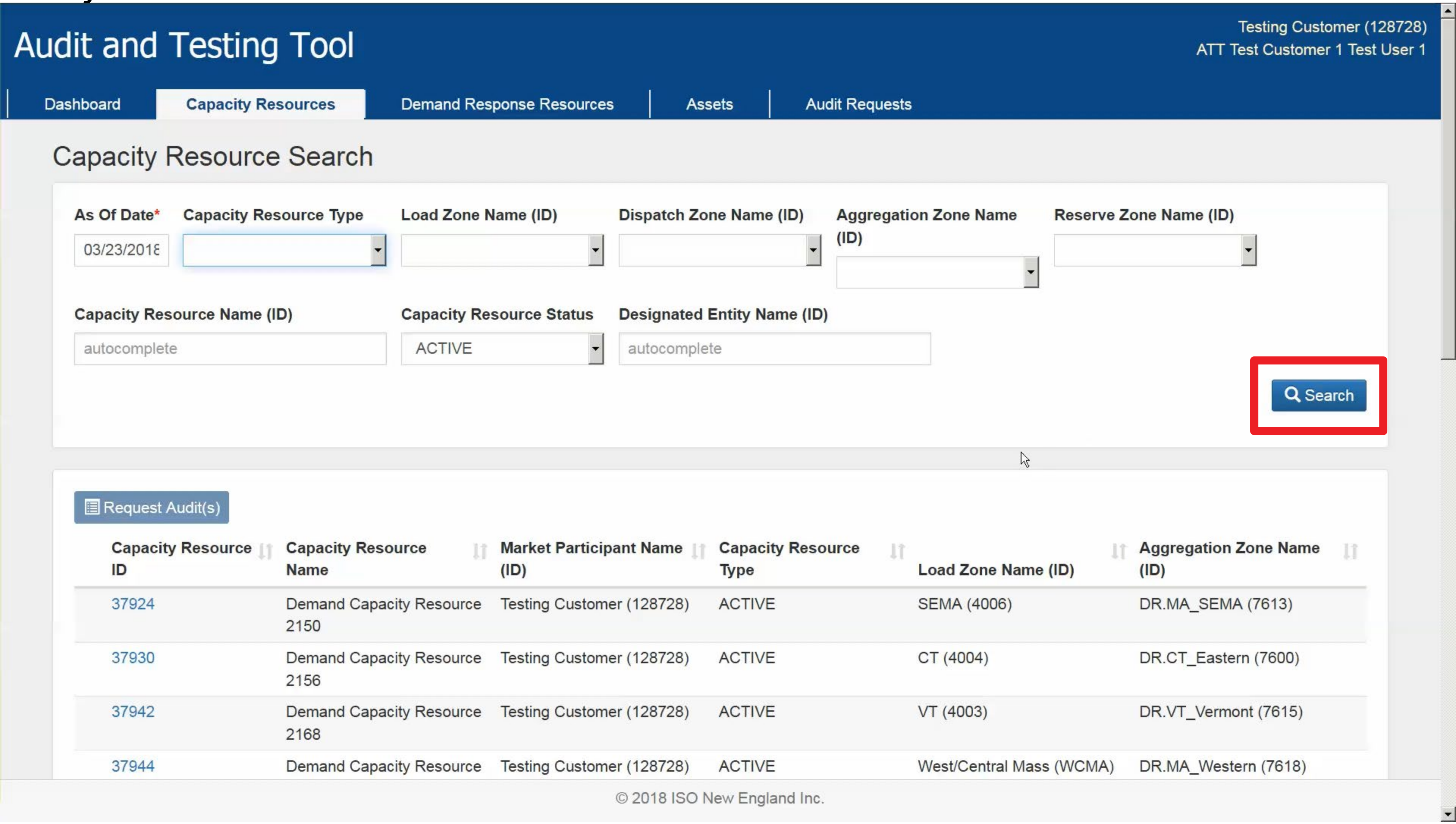
https://drattdev.iso-ne.com:8645/att/capacityresource/search

Click the Search Button

Unfiltered Search


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests
Search
Request Audit(s)
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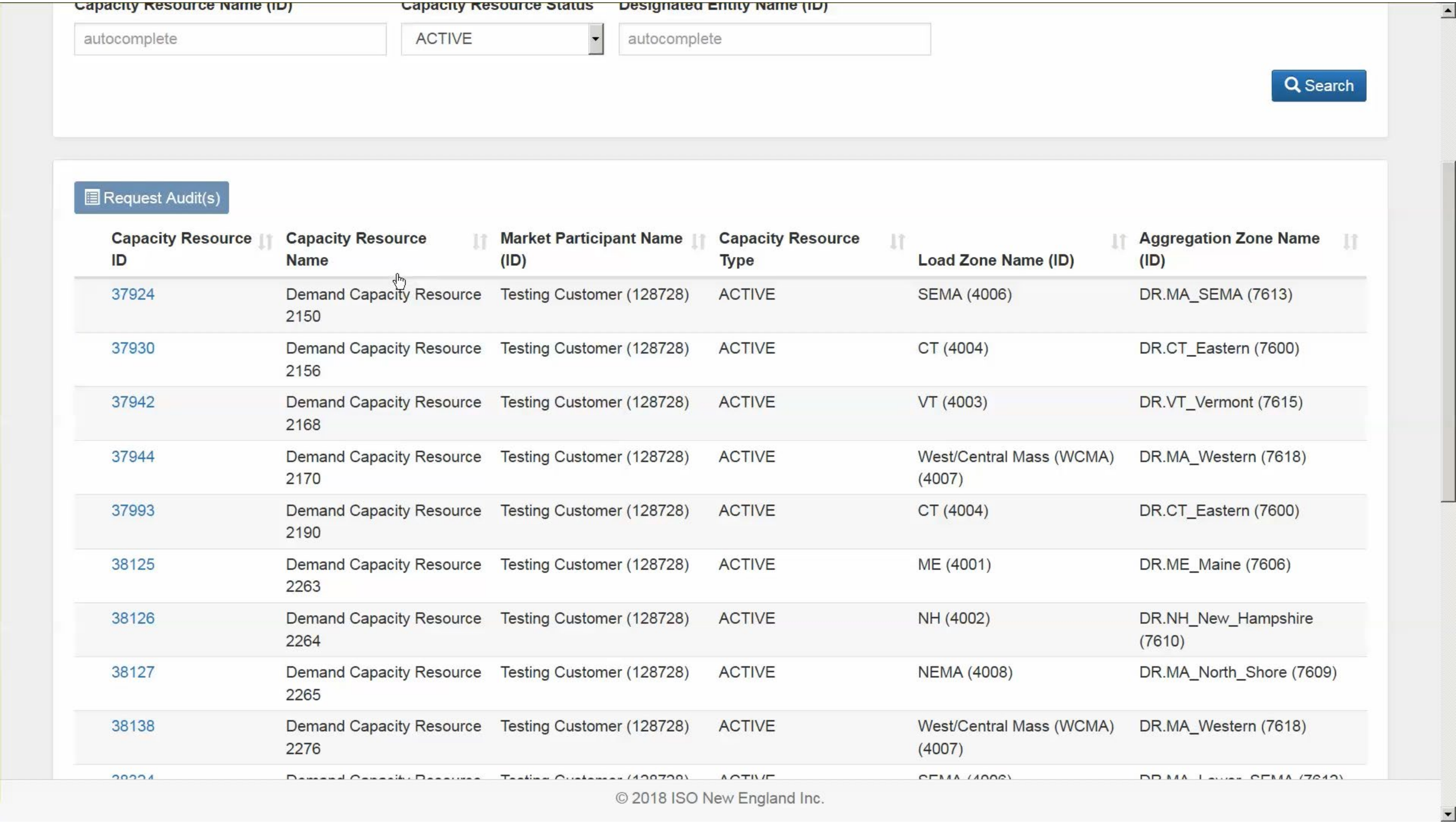
Capacity Resource Search

As Of Date*: 03/23/2018
Capacity Resource Type:
Load Zone Name (ID):
Dispatch Zone Name (ID):
Aggregation Zone Name (ID):
Reserve Zone Name (ID):
Capacity Resource Name (ID): autocomplete
Capacity Resource Status: ACTIVE
Designated Entity Name (ID): autocomplete

Capacity Resource ID	Capacity Resource Name	Market Participant Name (ID)	Capacity Resource Type	Load Zone Name (ID)	Aggregation Zone Name (ID)
37924	Demand Capacity Resource 2150	Testing Customer (128728)	ACTIVE	SEMA (4006)	DR.MA_SEMA (7613)
37930	Demand Capacity Resource 2156	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)
37942	Demand Capacity Resource 2168	Testing Customer (128728)	ACTIVE	VT (4003)	DR.VT_Vermont (7615)
37944	Demand Capacity Resource	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA)	DR.MA_Western (7618)

Scroll Down



Capacity Resource Name (ID): autocomplete
Capacity Resource Status: ACTIVE
Designated Entity Name (ID): autocomplete

Capacity Resource ID	Capacity Resource Name	Market Participant Name (ID)	Capacity Resource Type	Load Zone Name (ID)	Aggregation Zone Name (ID)
37924	Demand Capacity Resource 2150	Testing Customer (128728)	ACTIVE	SEMA (4006)	DR.MA_SEMA (7613)
37930	Demand Capacity Resource 2156	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)
37942	Demand Capacity Resource 2168	Testing Customer (128728)	ACTIVE	VT (4003)	DR.VT_Vermont (7615)
37944	Demand Capacity Resource 2170	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Western (7618)
37993	Demand Capacity Resource 2190	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)
38125	Demand Capacity Resource 2263	Testing Customer (128728)	ACTIVE	ME (4001)	DR.ME_Maine (7606)
38126	Demand Capacity Resource 2264	Testing Customer (128728)	ACTIVE	NH (4002)	DR.NH_New_Hampshire (7610)
38127	Demand Capacity Resource 2265	Testing Customer (128728)	ACTIVE	NEMA (4008)	DR.MA_North_Shore (7609)
38138	Demand Capacity Resource 2276	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Western (7618)

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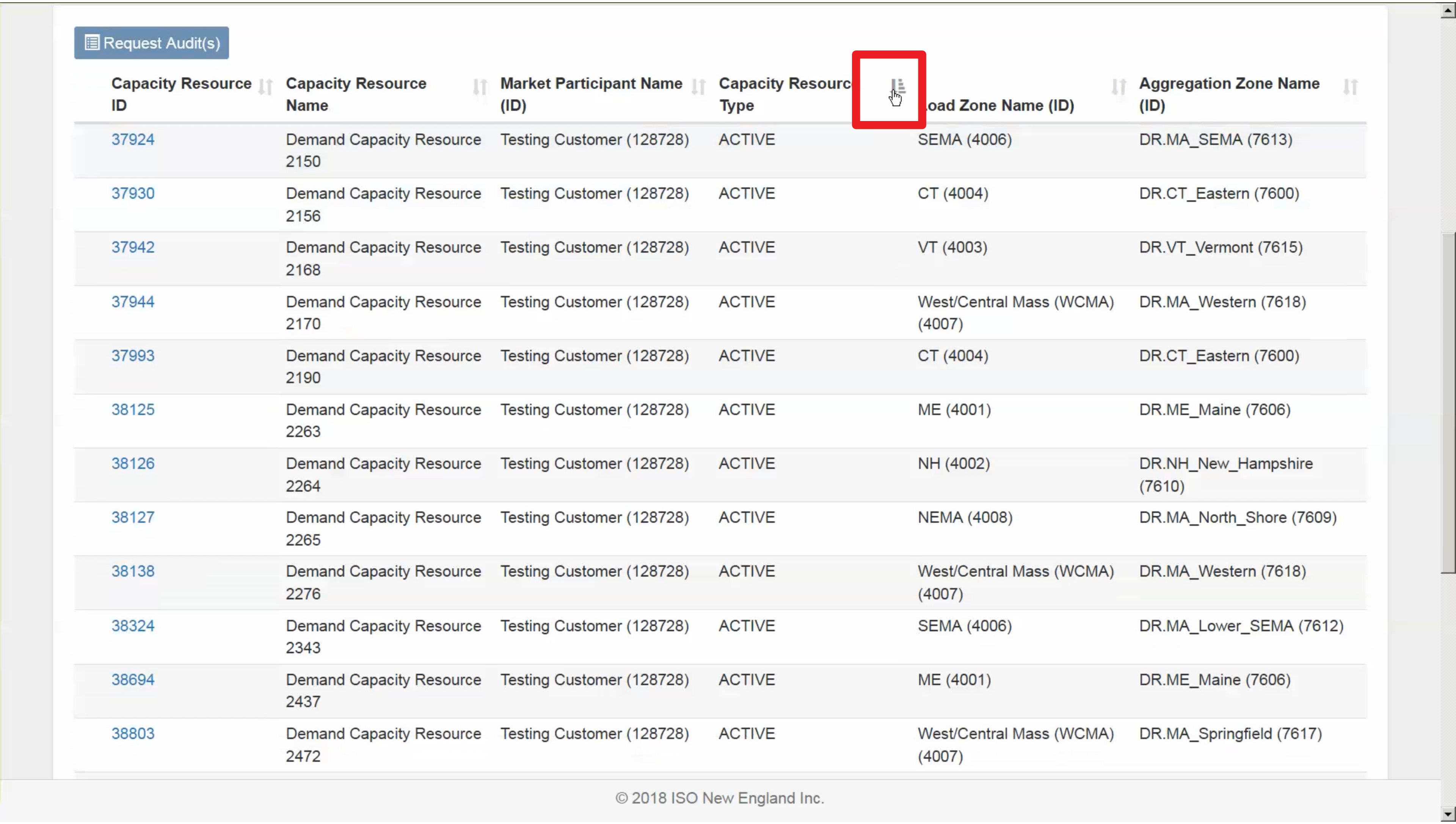
Sort Columns by Clicking on the Arrows at the Top



Capacity Resource ID	Capacity Resource Name	Market Participant Name (ID)	Capacity Resourc Type	oad Zone Name (ID)	Aggregation Zone Name (ID)
37924	Demand Capacity Resource 2150	Testing Customer (128728)	ACTIVE	SEMA (4006)	DR.MA_SEMA (7613)
37930	Demand Capacity Resource 2156	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)
37942	Demand Capacity Resource 2168	Testing Customer (128728)	ACTIVE	VT (4003)	DR.VT_Vermont (7615)
37944	Demand Capacity Resource 2170	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Western (7618)
37993	Demand Capacity Resource 2190	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)
38125	Demand Capacity Resource 2263	Testing Customer (128728)	ACTIVE	ME (4001)	DR.ME_Maine (7606)
38126	Demand Capacity Resource 2264	Testing Customer (128728)	ACTIVE	NH (4002)	DR.NH_New_Hampshire (7610)
38127	Demand Capacity Resource 2265	Testing Customer (128728)	ACTIVE	NEMA (4008)	DR.MA_North_Shore (7609)
38138	Demand Capacity Resource 2276	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Western (7618)
38324	Demand Capacity Resource 2343	Testing Customer (128728)	ACTIVE	SEMA (4006)	DR.MA_Lower_SEMA (7612)
38694	Demand Capacity Resource 2437	Testing Customer (128728)	ACTIVE	ME (4001)	DR.ME_Maine (7606)
38803	Demand Capacity Resource 2472	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Springfield (7617)

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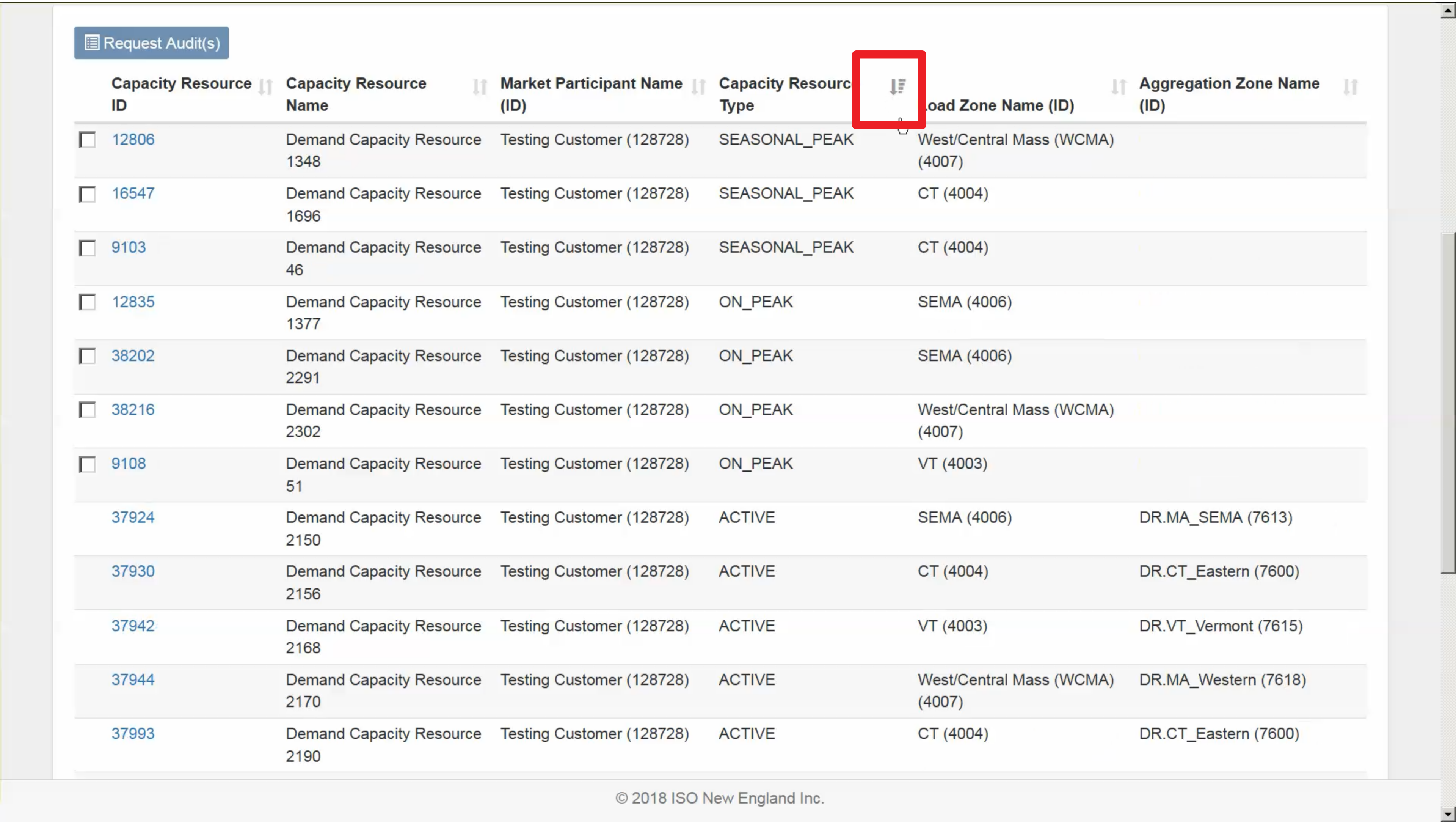
Reverse Sort



	Capacity Resource ID	Capacity Resource Name	Market Participant Name (ID)	Capacity Resourc Type	oad Zone Name (ID)	Aggregation Zone Name (ID)
☐	12806	Demand Capacity Resource 1348	Testing Customer (128728)	SEASONAL_PEAK	West/Central Mass (WCMA) (4007)	
☐	16547	Demand Capacity Resource 1696	Testing Customer (128728)	SEASONAL_PEAK	CT (4004)	
☐	9103	Demand Capacity Resource 46	Testing Customer (128728)	SEASONAL_PEAK	CT (4004)	
☐	12835	Demand Capacity Resource 1377	Testing Customer (128728)	ON_PEAK	SEMA (4006)	
☐	38202	Demand Capacity Resource 2291	Testing Customer (128728)	ON_PEAK	SEMA (4006)	
☐	38216	Demand Capacity Resource 2302	Testing Customer (128728)	ON_PEAK	West/Central Mass (WCMA) (4007)	
☐	9108	Demand Capacity Resource 51	Testing Customer (128728)	ON_PEAK	VT (4003)	
	37924	Demand Capacity Resource 2150	Testing Customer (128728)	ACTIVE	SEMA (4006)	DR.MA_SEMA (7613)
	37930	Demand Capacity Resource 2156	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)
	37942	Demand Capacity Resource 2168	Testing Customer (128728)	ACTIVE	VT (4003)	DR.VT_Vermont (7615)
	37944	Demand Capacity Resource 2170	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Western (7618)
	37993	Demand Capacity Resource 2190	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)

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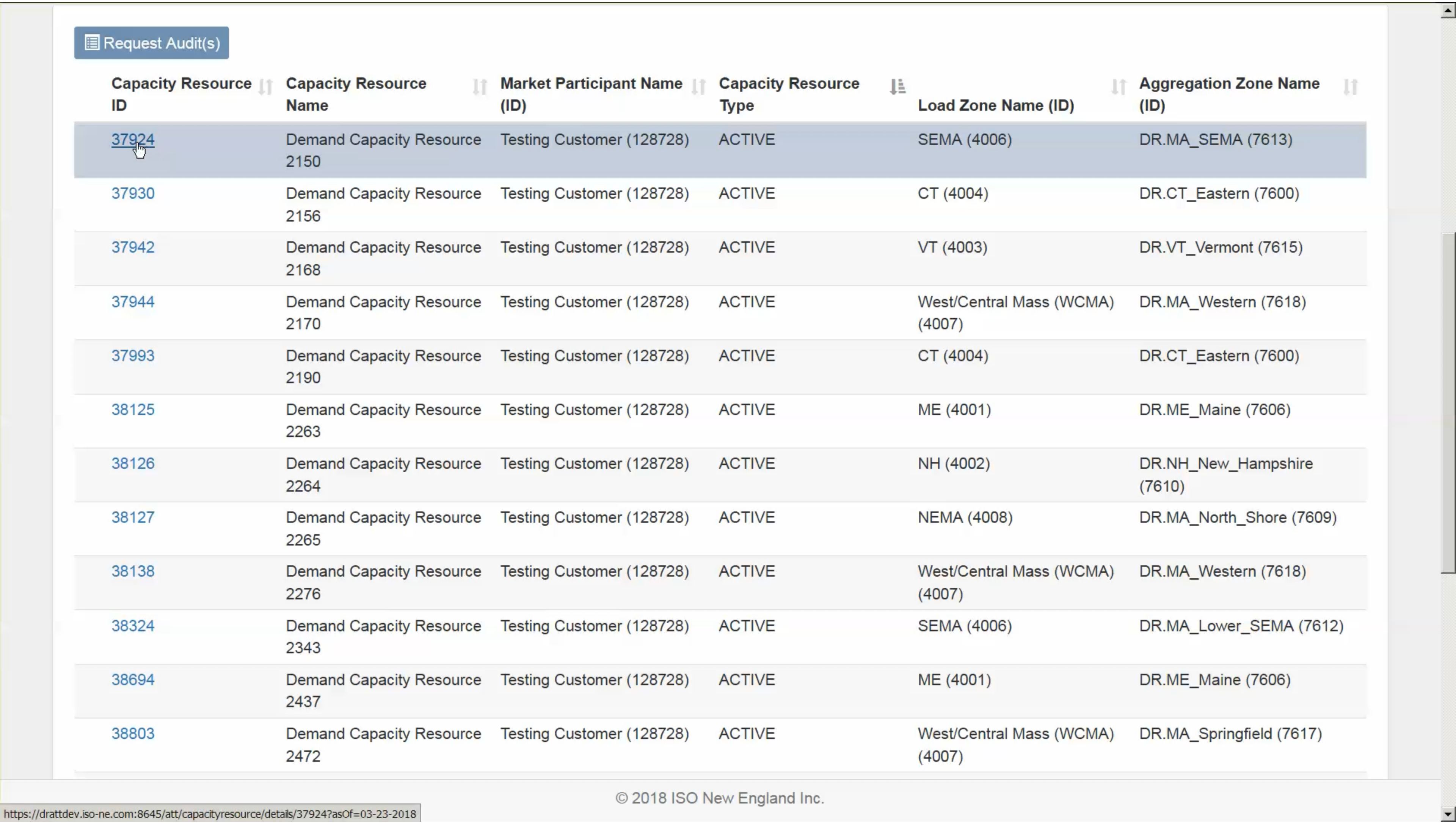
Let’s Take a Closer Look at ID #37924



Capacity Resource ID	Capacity Resource Name	Market Participant Name (ID)	Capacity Resource Type	Load Zone Name (ID)	Aggregation Zone Name (ID)
37924	Demand Capacity Resource 2150	Testing Customer (128728)	ACTIVE	SEMA (4006)	DR.MA_SEMA (7613)
37930	Demand Capacity Resource 2156	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)
37942	Demand Capacity Resource 2168	Testing Customer (128728)	ACTIVE	VT (4003)	DR.VT_Vermont (7615)
37944	Demand Capacity Resource 2170	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Western (7618)
37993	Demand Capacity Resource 2190	Testing Customer (128728)	ACTIVE	CT (4004)	DR.CT_Eastern (7600)
38125	Demand Capacity Resource 2263	Testing Customer (128728)	ACTIVE	ME (4001)	DR.ME_Maine (7606)
38126	Demand Capacity Resource 2264	Testing Customer (128728)	ACTIVE	NH (4002)	DR.NH_New_Hampshire (7610)
38127	Demand Capacity Resource 2265	Testing Customer (128728)	ACTIVE	NEMA (4008)	DR.MA_North_Shore (7609)
38138	Demand Capacity Resource 2276	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Western (7618)
38324	Demand Capacity Resource 2343	Testing Customer (128728)	ACTIVE	SEMA (4006)	DR.MA_Lower_SEMA (7612)
38694	Demand Capacity Resource 2437	Testing Customer (128728)	ACTIVE	ME (4001)	DR.ME_Maine (7606)
38803	Demand Capacity Resource 2472	Testing Customer (128728)	ACTIVE	West/Central Mass (WCMA) (4007)	DR.MA_Springfield (7617)

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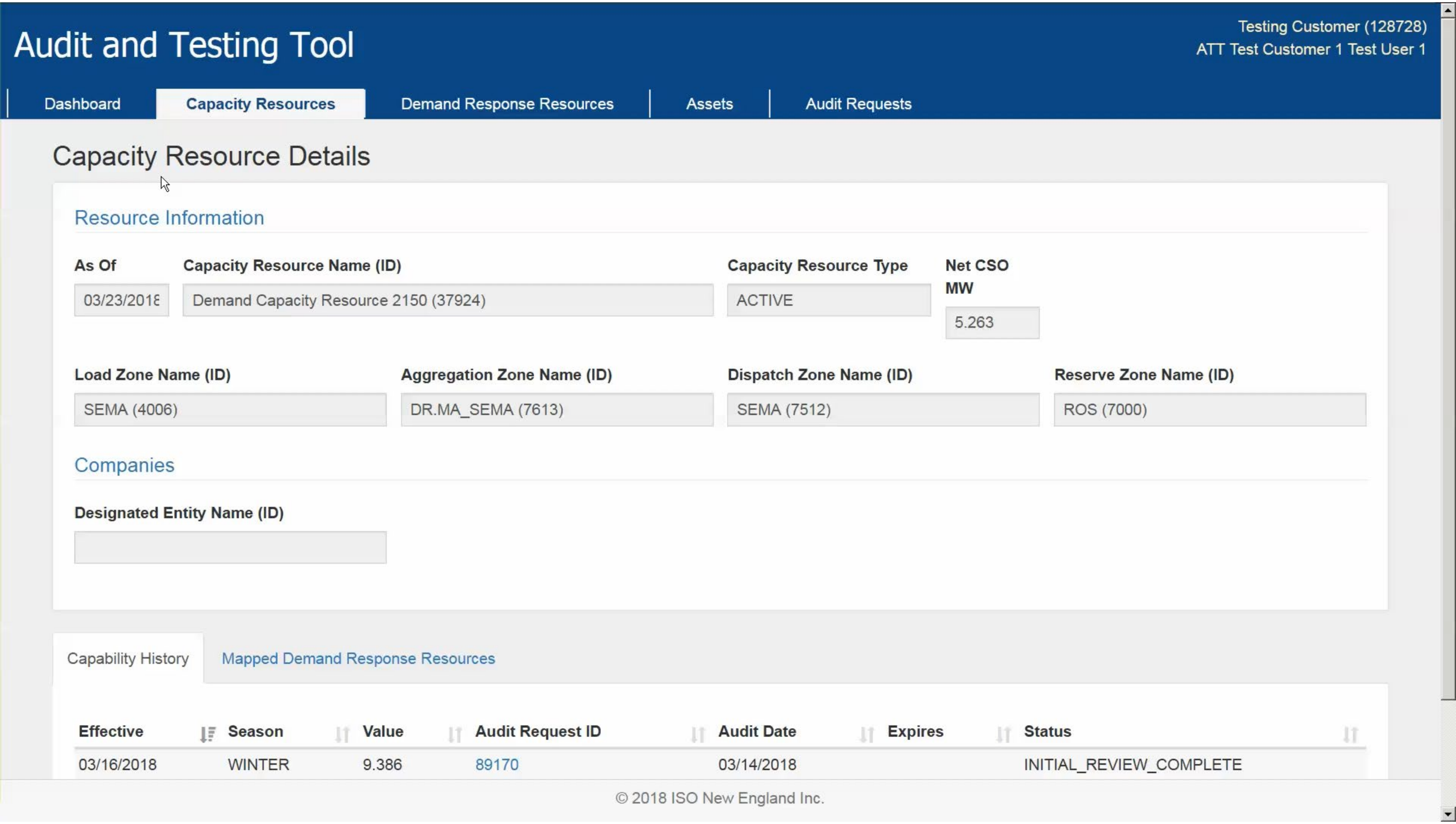
https://drattdev.iso-ne.com:8645/att/capacityresource/details/37924?asOf=03-23-2018

Capacity Resource Details


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Capacity Resource Details

Resource Information

As Of	Capacity Resource Name (ID)	Capacity Resource Type	Net CSO MW
03/23/2018	Demand Capacity Resource 2150 (37924)	ACTIVE	5.263

Load Zone Name (ID)	Aggregation Zone Name (ID)	Dispatch Zone Name (ID)	Reserve Zone Name (ID)
SEMA (4006)	DR.MA_SEMA (7613)	SEMA (7512)	ROS (7000)

Companies

Designated Entity Name (ID)

Capability History
Mapped Demand Response Resources

Effective	Season	Value	Audit Request ID	Audit Date	Expires	Status
03/16/2018	WINTER	9.386	89170	03/14/2018		INITIAL_REVIEW_COMPLETE

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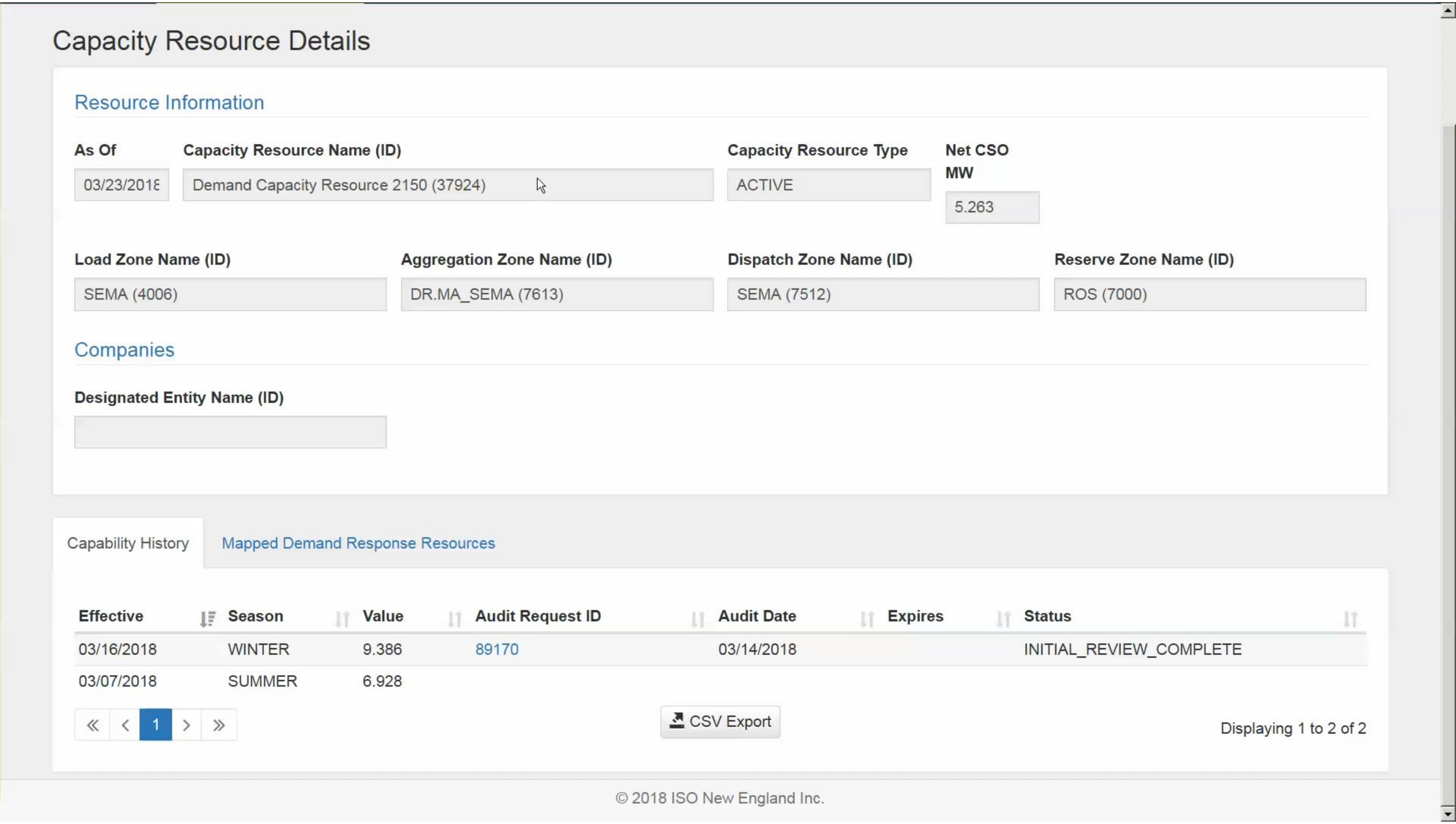
Capacity Resource Details



Capacity Resource Details

Resource Information

As Of	**Capacity Resource Name (ID)**	**Capacity Resource Type**	**Net CSO MW**
03/23/2018	Demand Capacity Resource 2150 (37924)	ACTIVE	5.263

Load Zone Name (ID)	**Aggregation Zone Name (ID)**	**Dispatch Zone Name (ID)**	**Reserve Zone Name (ID)**
SEMA (4006)	DR.MA_SEMA (7613)	SEMA (7512)	ROS (7000)

Companies

Designated Entity Name (ID)

Capability History
Mapped Demand Response Resources

Effective	Season	Value	Audit Request ID	Audit Date	Expires	Status
03/16/2018	WINTER	9.386	89170	03/14/2018		INITIAL_REVIEW_COMPLETE
03/07/2018	SUMMER	6.928				

« ‹ 1 › »
CSV Export

Displaying 1 to 2 of 2

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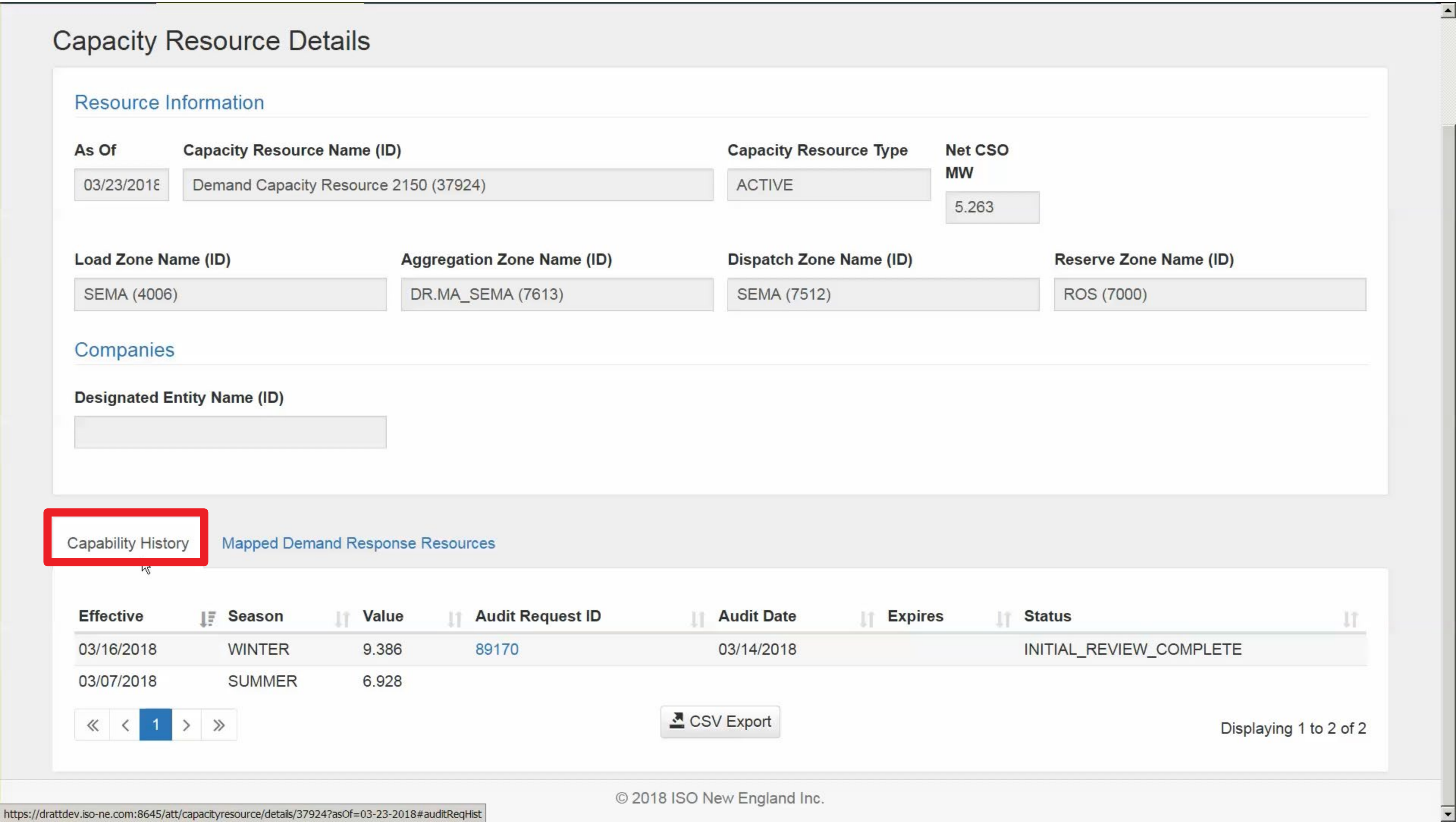
Capability History Tab



Capacity Resource Details

Resource Information

As Of: 03/23/2018

Capacity Resource Name (ID): Demand Capacity Resource 2150 (37924)

Capacity Resource Type: ACTIVE

Net CSO MW: 5.263

Load Zone Name (ID): SEMA (4006)

Aggregation Zone Name (ID): DR.MA_SEMA (7613)

Dispatch Zone Name (ID): SEMA (7512)

Reserve Zone Name (ID): ROS (7000)

Companies

Designated Entity Name (ID):

Effective	Season	Value	Audit Request ID	Audit Date	Expires	Status
03/16/2018	WINTER	9.386	89170	03/14/2018		INITIAL_REVIEW_COMPLETE
03/07/2018	SUMMER	6.928				

Displaying 1 to 2 of 2

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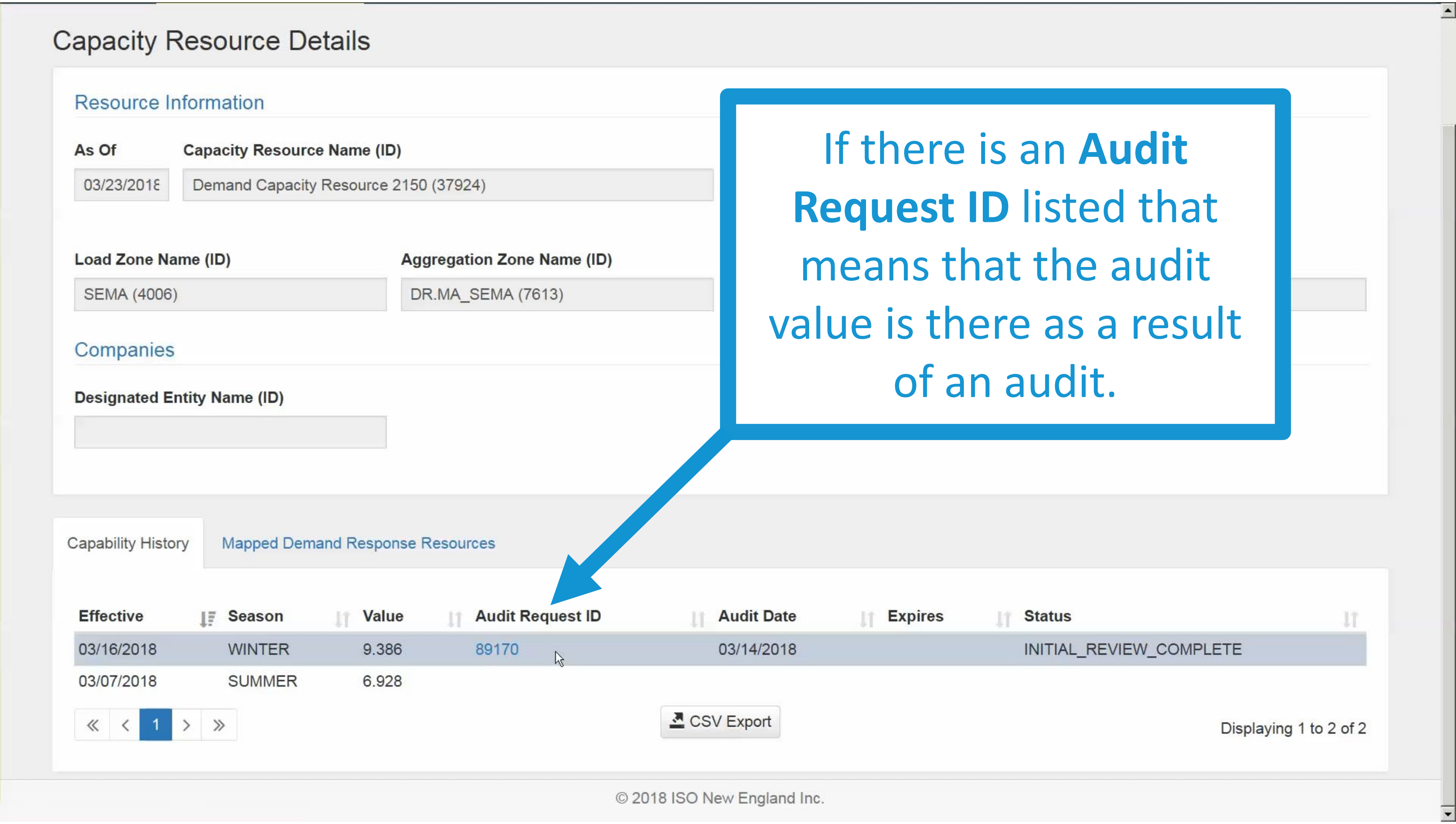
https://drattdev.iso-ne.com:8645/att/capacityresource/details/37924?asOf=03-23-2018#auditReqHist

Audit Request ID



Capacity Resource Details

Resource Information

As Of	Capacity Resource Name (ID)
03/23/2018	Demand Capacity Resource 2150 (37924)

Load Zone Name (ID)	Aggregation Zone Name (ID)
SEMA (4006)	DR.MA_SEMA (7613)

Companies

Designated Entity Name (ID)

Capability History
Mapped Demand Response Resources

Effective	Season	Value	Audit Request ID	Audit Date	Expires	Status
03/16/2018	WINTER	9.386	89170	03/14/2018		INITIAL_REVIEW_COMPLETE
03/07/2018	SUMMER	6.928				

« ‹ 1 › »
CSV Export

Displaying 1 to 2 of 2

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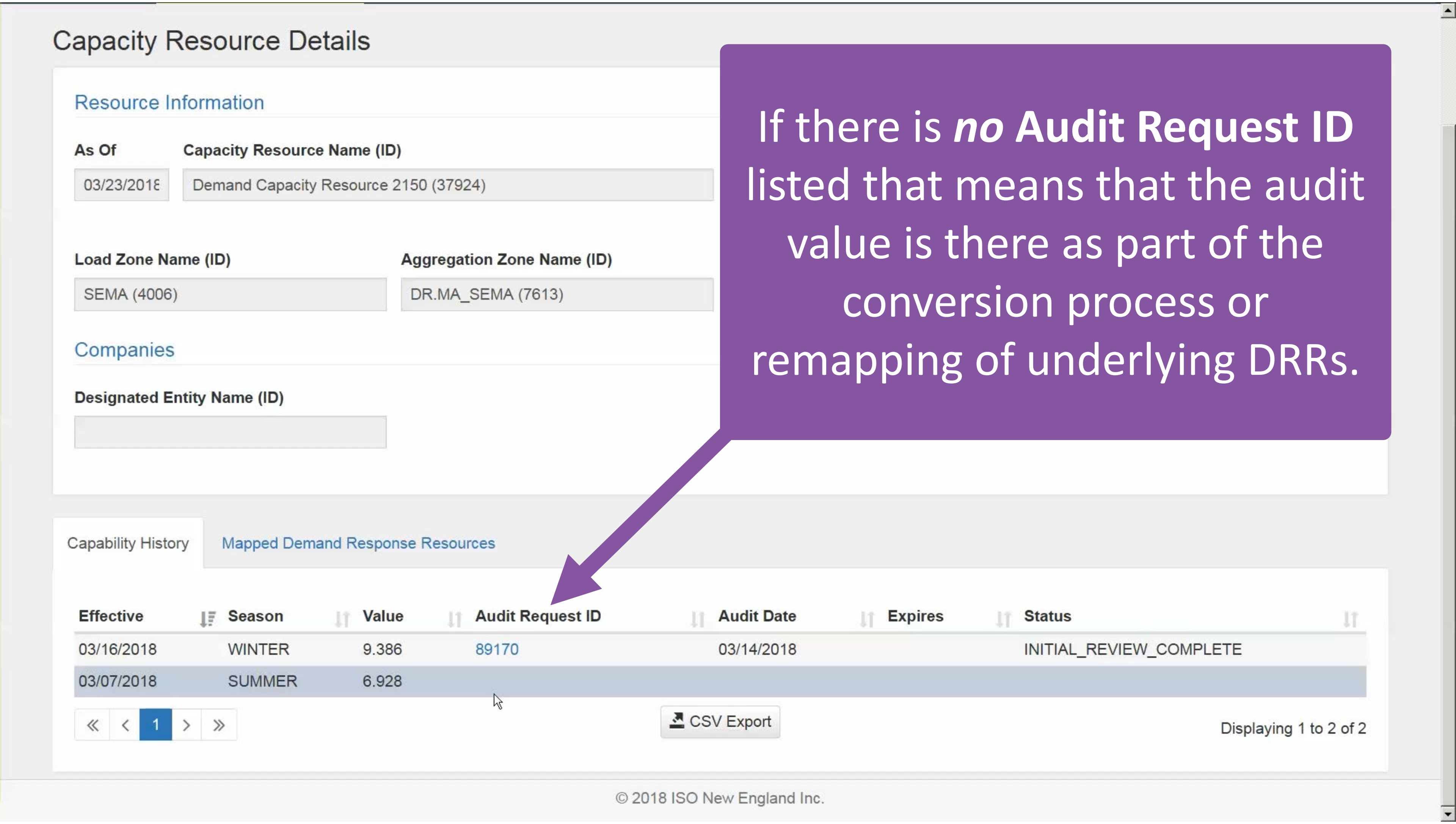
If there is an **Audit Request ID** listed that means that the audit value is there as a result of an audit.

Seeding Values



Capacity Resource Details

Resource Information

As Of	Capacity Resource Name (ID)
03/23/2018	Demand Capacity Resource 2150 (37924)

Load Zone Name (ID)	Aggregation Zone Name (ID)
SEMA (4006)	DR.MA_SEMA (7613)

Companies

Designated Entity Name (ID)

Capability History
Mapped Demand Response Resources

Effective	Season	Value	Audit Request ID	Audit Date	Expires	Status
03/16/2018	WINTER	9.386	89170	03/14/2018		INITIAL_REVIEW_COMPLETE
03/07/2018	SUMMER	6.928				

« ‹ 1 › »
CSV Export

Displaying 1 to 2 of 2

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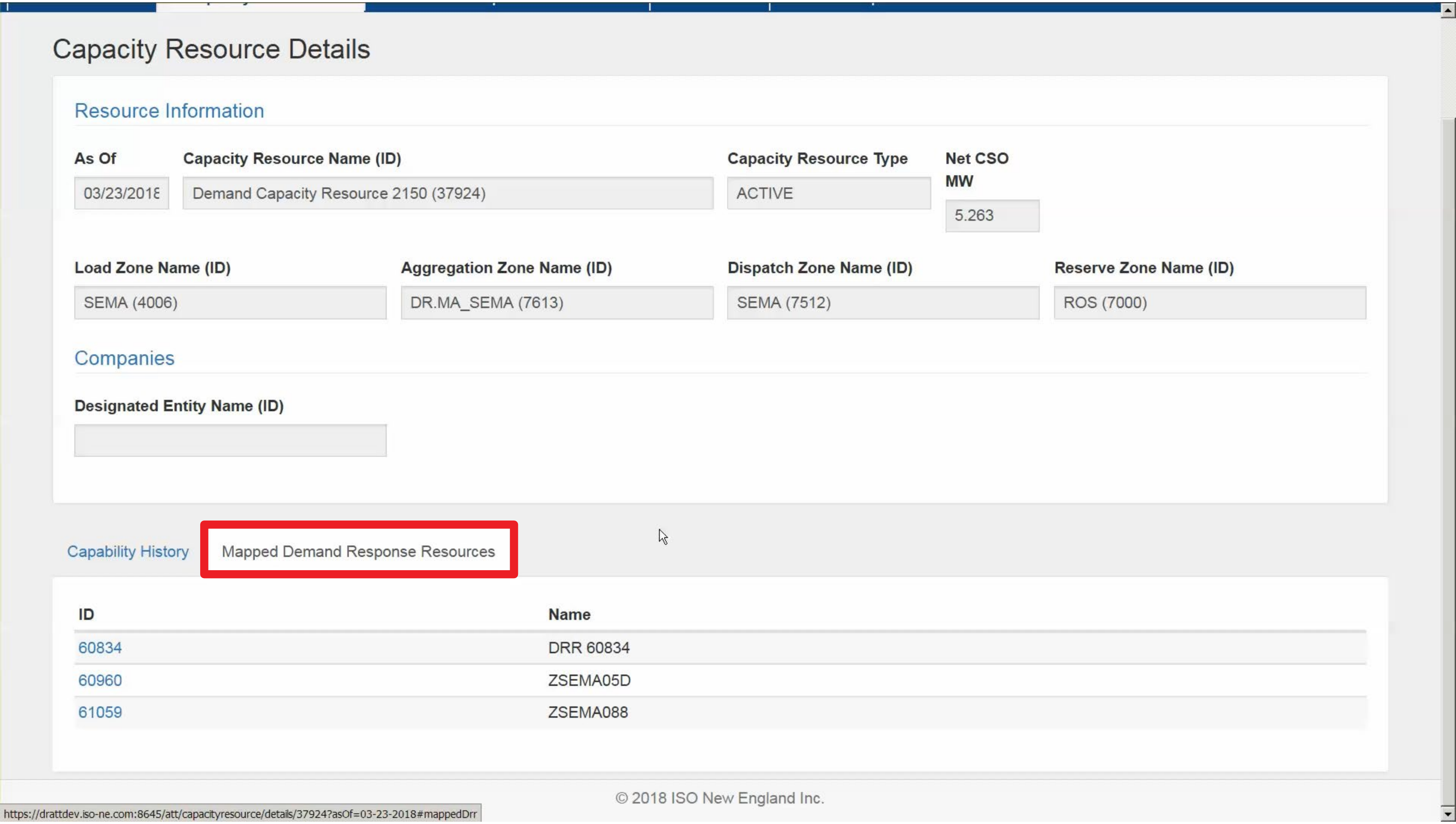
If there is *no* **Audit Request ID** listed that means that the audit value is there as part of the conversion process or remapping of underlying DRRs.

Mapped Demand Response Resources Tab



Capacity Resource Details

Resource Information

As Of	Capacity Resource Name (ID)	Capacity Resource Type	Net CSO MW
03/23/2018	Demand Capacity Resource 2150 (37924)	ACTIVE	5.263

Load Zone Name (ID)	Aggregation Zone Name (ID)	Dispatch Zone Name (ID)	Reserve Zone Name (ID)
SEMA (4006)	DR.MA_SEMA (7613)	SEMA (7512)	ROS (7000)

Companies

Designated Entity Name (ID)

ID	Name
60834	DRR 60834
60960	ZSEMA05D
61059	ZSEMA088

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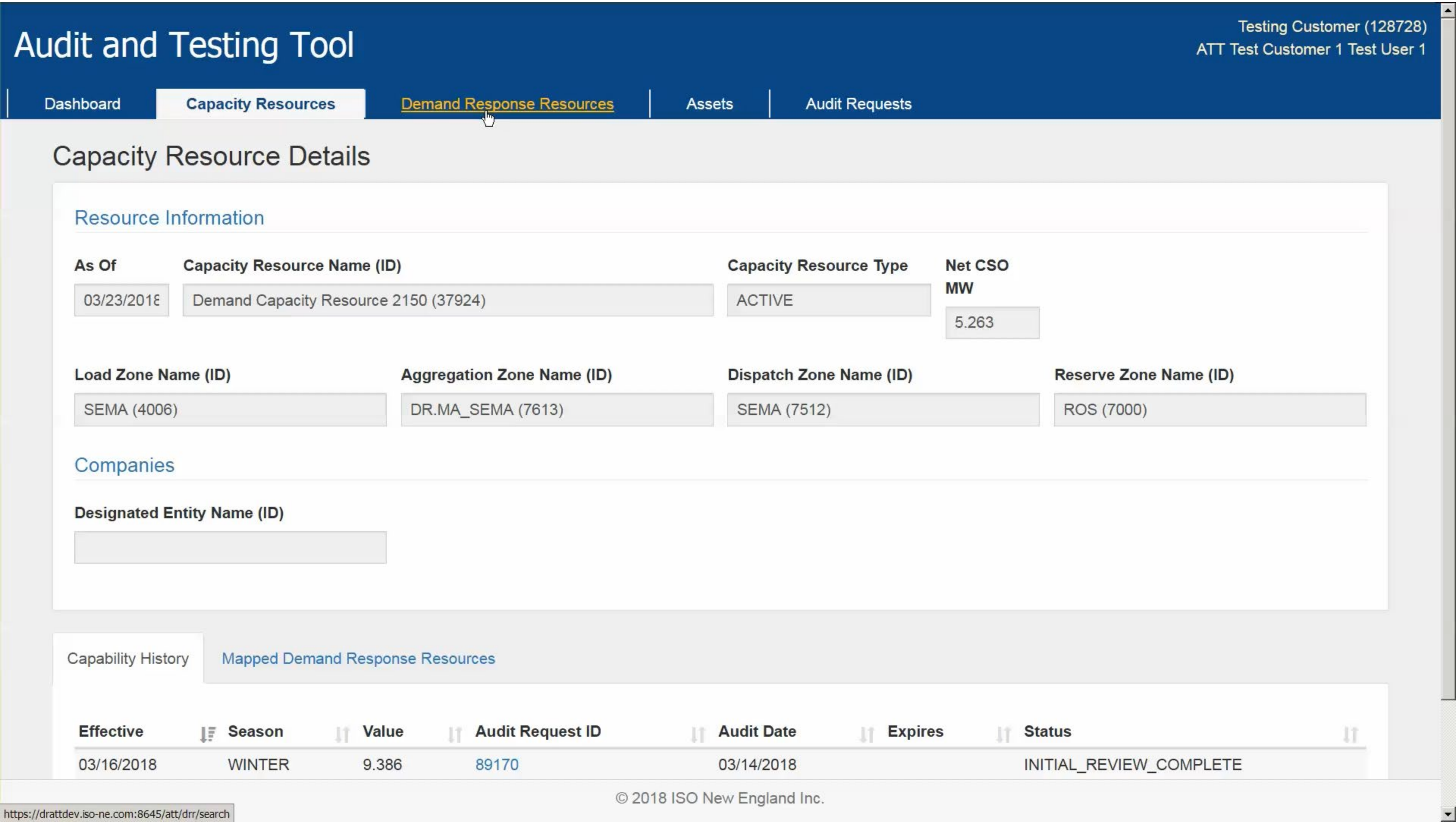
https://drattdev.iso-ne.com:8645/att/capacityresource/details/37924?asOf=03-23-2018#mappedDrr

We Will Skip the DRR Tab for Now (We'll Come Back)


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests
Capability History
Mapped Demand Response Resources
https://drattdev.iso-ne.com:8645/att/drr/search

Capacity Resource Details

Resource Information

As Of	Capacity Resource Name (ID)	Capacity Resource Type	Net CSO MW
03/23/2018	Demand Capacity Resource 2150 (37924)	ACTIVE	5.263

Load Zone Name (ID)	Aggregation Zone Name (ID)	Dispatch Zone Name (ID)	Reserve Zone Name (ID)
SEMA (4006)	DR.MA_SEMA (7613)	SEMA (7512)	ROS (7000)

Companies

Designated Entity Name (ID)

Effective	Season	Value	Audit Request ID	Audit Date	Expires	Status
03/16/2018	WINTER	9.386	89170	03/14/2018		INITIAL_REVIEW_COMPLETE

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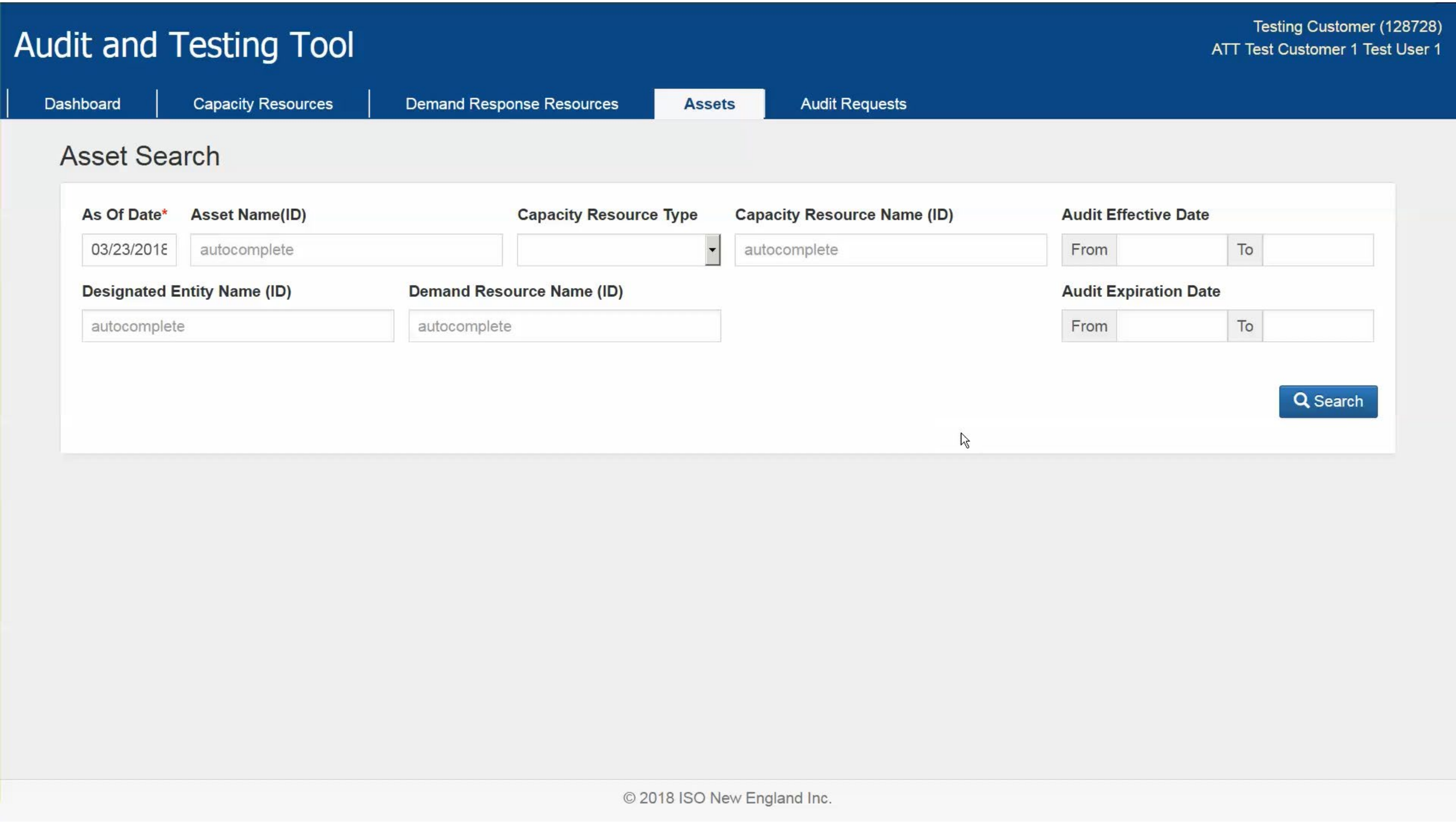
Assets Tab


Audit and Testing Tool
Testing Customer (128728)
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Asset Search

As Of Date*: 03/23/2018

Asset Name(ID): autocomplete

Capacity Resource Type:

Capacity Resource Name (ID): autocomplete

Audit Effective Date: From To

Designated Entity Name (ID): autocomplete

Demand Resource Name (ID): autocomplete

Audit Expiration Date: From To

Search
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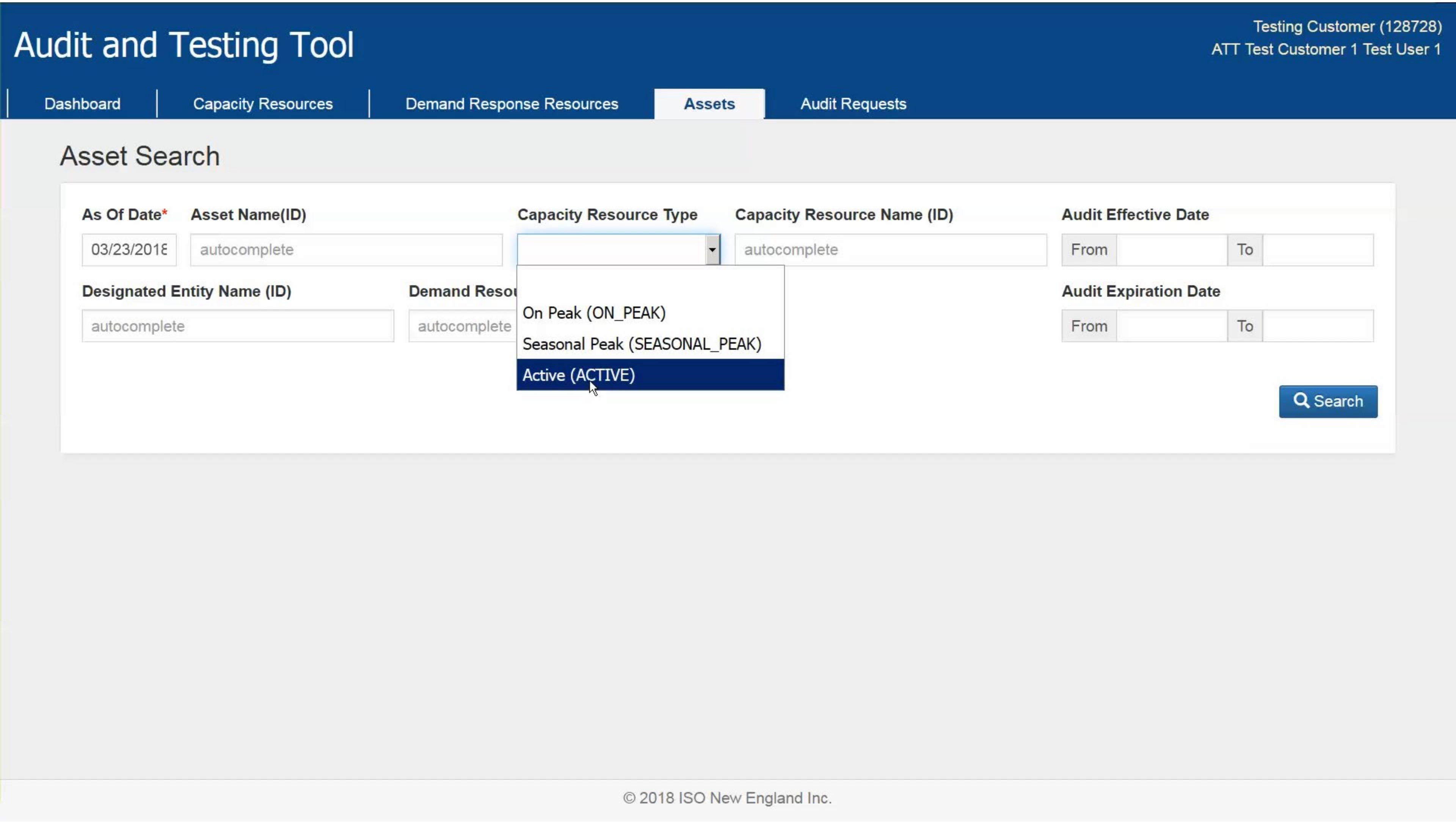
Searching for All Active Assets



Audit and Testing Tool

Testing Customer (128728)
ATT Test Customer 1 Test User 1

Dashboard
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Asset Search

As Of Date*: 03/23/2018
Asset Name(ID): autocomplete
Capacity Resource Type:
Capacity Resource Name (ID): autocomplete
Audit Effective Date: From To
Designated Entity Name (ID): autocomplete
Demand Resou: autocomplete
Audit Expiration Date: From To

On Peak (ON_PEAK)
Seasonal Peak (SEASONAL_PEAK)
Active (ACTIVE)
Search

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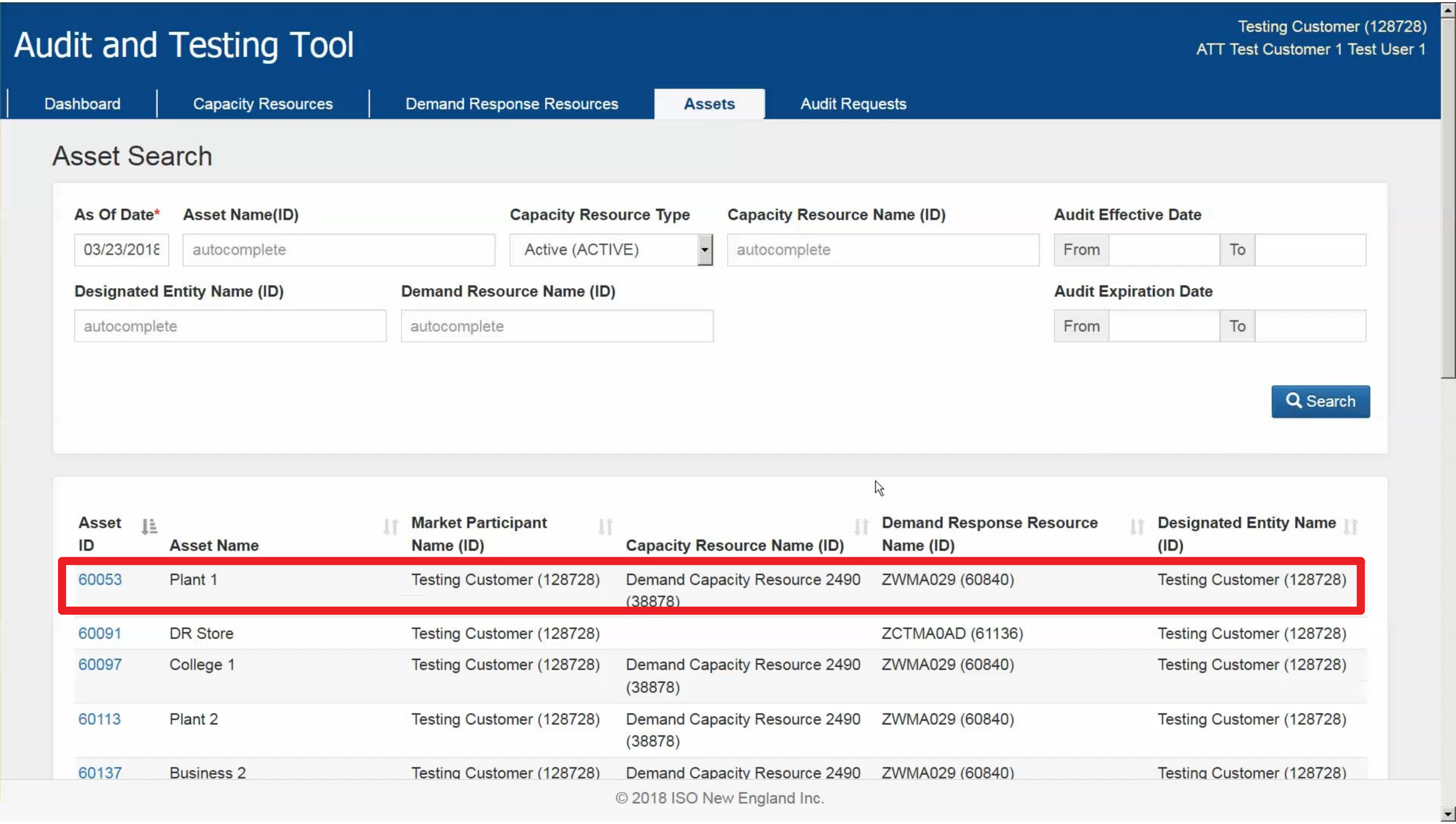
Click on the Asset ID to See Details


Audit and Testing Tool
Testing Customer (128728)
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Search

Asset Search

As Of Date* 03/23/2018

Asset Name(ID) autocomplete

Capacity Resource Type Active (ACTIVE)

Capacity Resource Name (ID) autocomplete

Audit Effective Date From To

Designated Entity Name (ID) autocomplete

Demand Resource Name (ID) autocomplete

Audit Expiration Date From To

Asset ID	Asset Name	Market Participant Name (ID)	Capacity Resource Name (ID)	Demand Response Resource Name (ID)	Designated Entity Name (ID)
60053	Plant 1	Testing Customer (128728)	Demand Capacity Resource 2490 (38878)	ZWMA029 (60840)	Testing Customer (128728)
60091	DR Store	Testing Customer (128728)		ZCTMA0AD (61136)	Testing Customer (128728)
60097	College 1	Testing Customer (128728)	Demand Capacity Resource 2490 (38878)	ZWMA029 (60840)	Testing Customer (128728)
60113	Plant 2	Testing Customer (128728)	Demand Capacity Resource 2490 (38878)	ZWMA029 (60840)	Testing Customer (128728)
60137	Business 2	Testing Customer (128728)	Demand Capacity Resource 2490	ZWMA029 (60840)	Testing Customer (128728)

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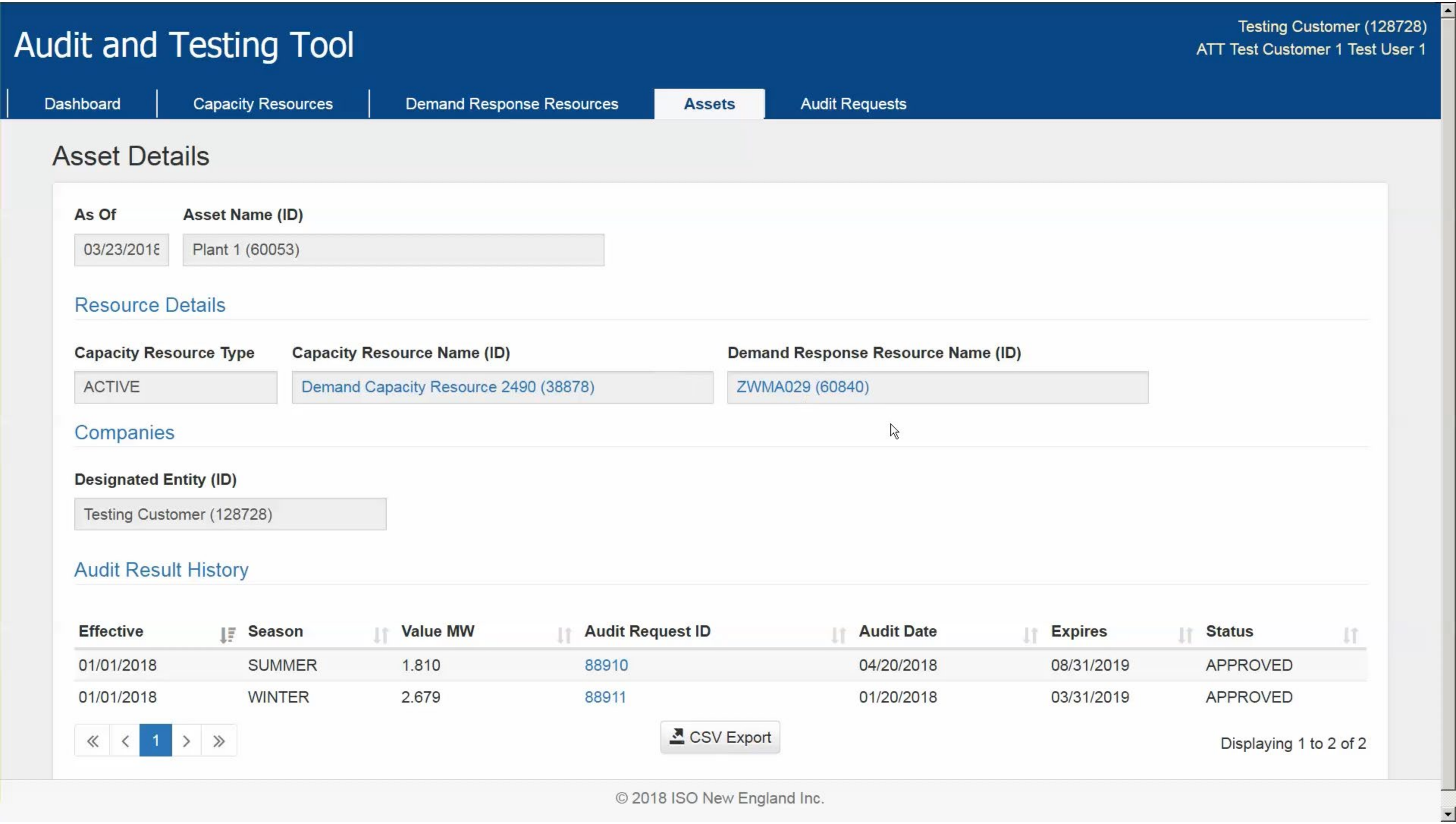
Asset Details



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
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Audit Requests

Asset Details

As Of: 03/23/201ε

Asset Name (ID): Plant 1 (60053)

Resource Details

Capacity Resource Type: ACTIVE

Capacity Resource Name (ID): Demand Capacity Resource 2490 (38878)

Demand Response Resource Name (ID): ZWMA029 (60840)

Companies

Designated Entity (ID): Testing Customer (128728)

Audit Result History

Effective	Season	Value MW	Audit Request ID	Audit Date	Expires	Status
01/01/2018	SUMMER	1.810	88910	04/20/2018	08/31/2019	APPROVED
01/01/2018	WINTER	2.679	88911	01/20/2018	03/31/2019	APPROVED

« ‹ 1 › »
CSV Export

Displaying 1 to 2 of 2

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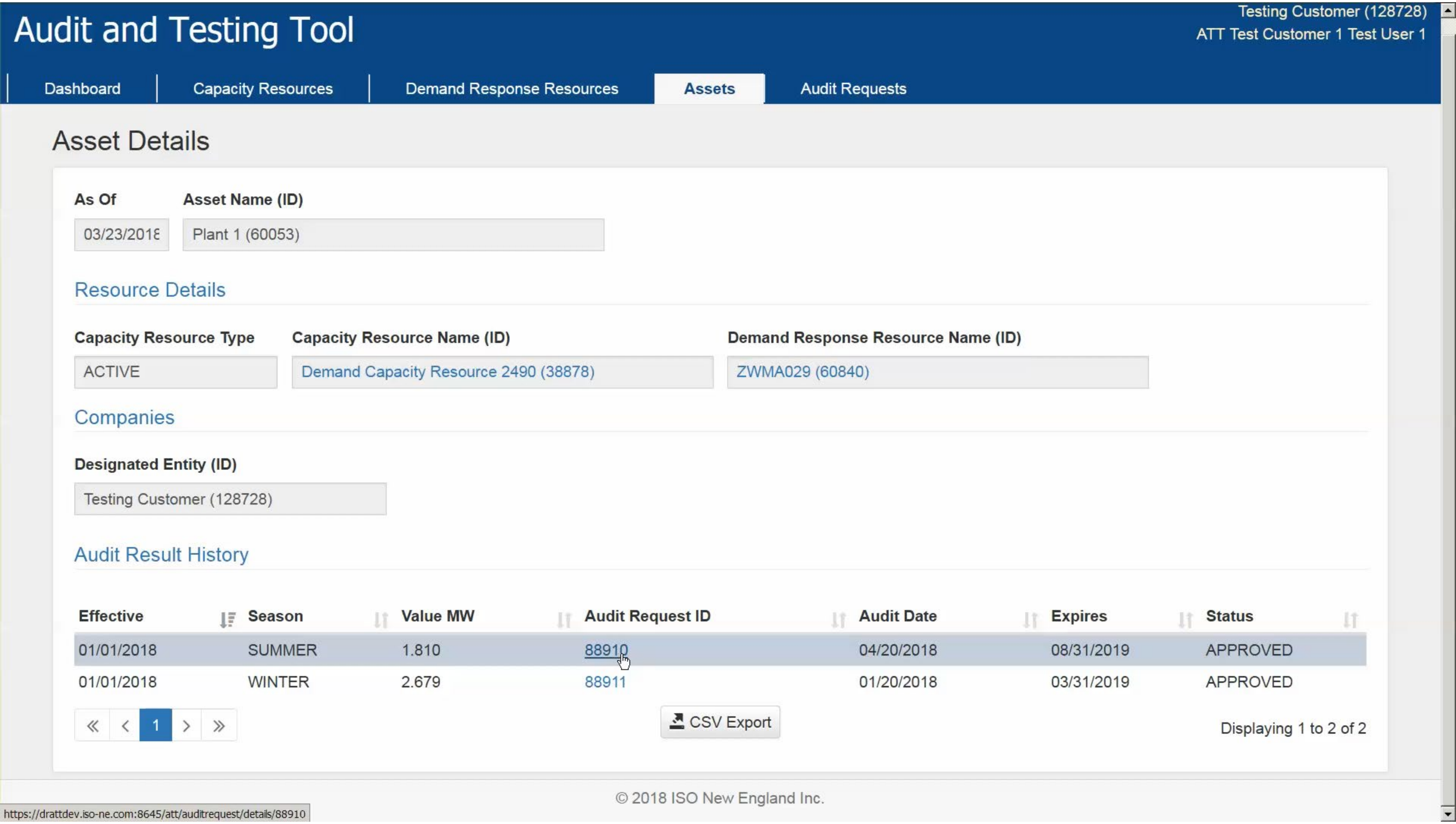
Click on Audit Request ID to Get Audit Details



Audit and Testing Tool
Testing Customer (128728)
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Asset Details

As Of: 03/23/2018

Asset Name (ID): Plant 1 (60053)

Resource Details

Capacity Resource Type: ACTIVE

Capacity Resource Name (ID): Demand Capacity Resource 2490 (38878)

Demand Response Resource Name (ID): ZWMA029 (60840)

Companies

Designated Entity (ID): Testing Customer (128728)

Audit Result History

Effective	Season	Value MW	Audit Request ID	Audit Date	Expires	Status
01/01/2018	SUMMER	1.810	88910	04/20/2018	08/31/2019	APPROVED
01/01/2018	WINTER	2.679	88911	01/20/2018	03/31/2019	APPROVED

« ‹ 1 › »
CSV Export

Displaying 1 to 2 of 2

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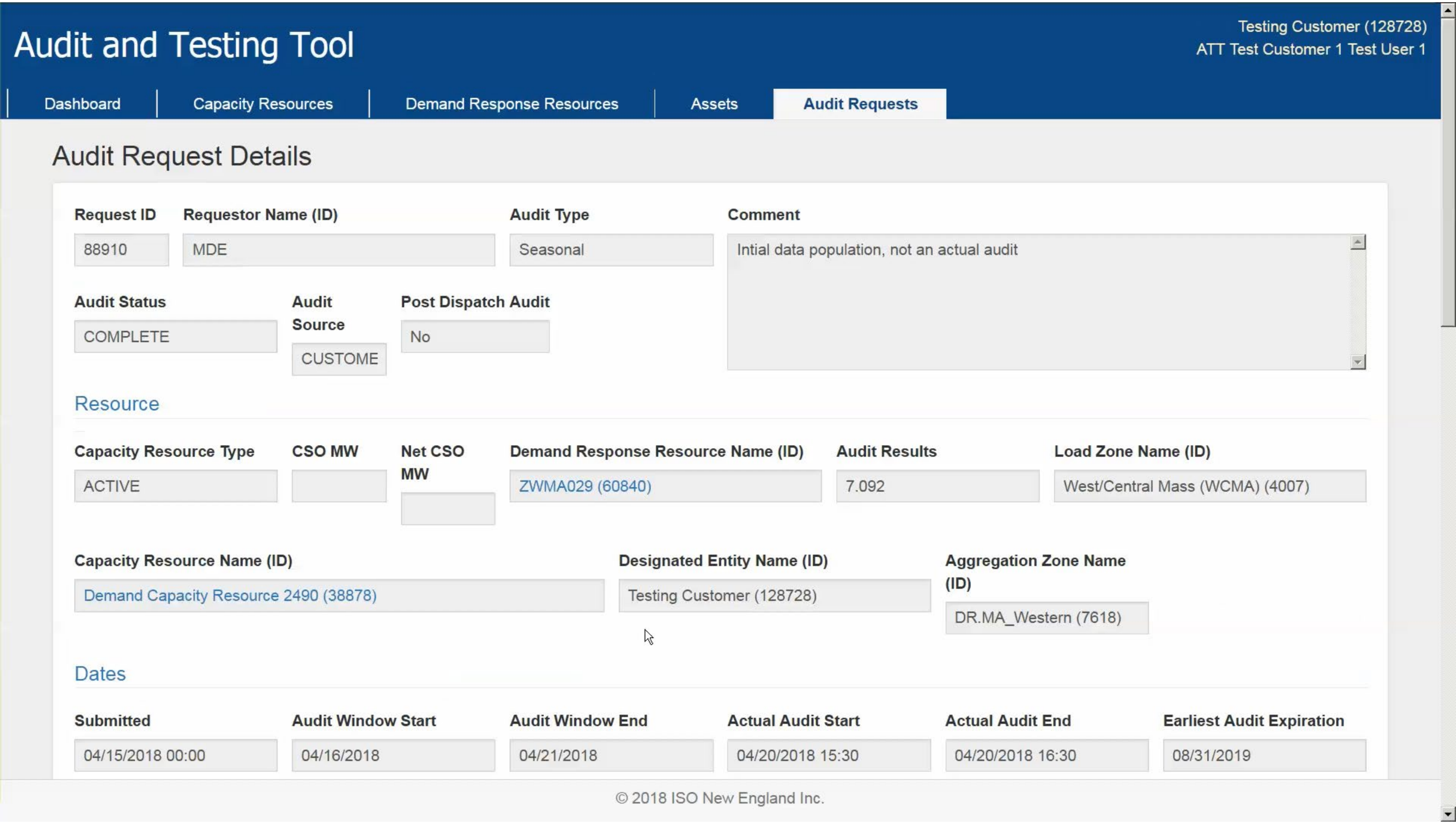
https://drattdev.iso-ne.com:8645/att/auditrequest/details/88910

Audit Request Details


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
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Audit Request Details

Request ID	Requestor Name (ID)	Audit Type	Comment
88910	MDE	Seasonal	Intial data population, not an actual audit

Audit Status	Audit Source	Post Dispatch Audit
COMPLETE	CUSTOME	No

Resource

Capacity Resource Type	CSO MW	Net CSO MW	Demand Response Resource Name (ID)	Audit Results	Load Zone Name (ID)
ACTIVE			ZWMA029 (60840)	7.092	West/Central Mass (WCMA) (4007)

Capacity Resource Name (ID)	Designated Entity Name (ID)	Aggregation Zone Name (ID)
Demand Capacity Resource 2490 (38878)	Testing Customer (128728)	DR.MA_Western (7618)

Dates

Submitted	Audit Window Start	Audit Window End	Actual Audit Start	Actual Audit End	Earliest Audit Expiration
04/15/2018 00:00	04/16/2018	04/21/2018	04/20/2018 15:30	04/20/2018 16:30	08/31/2019

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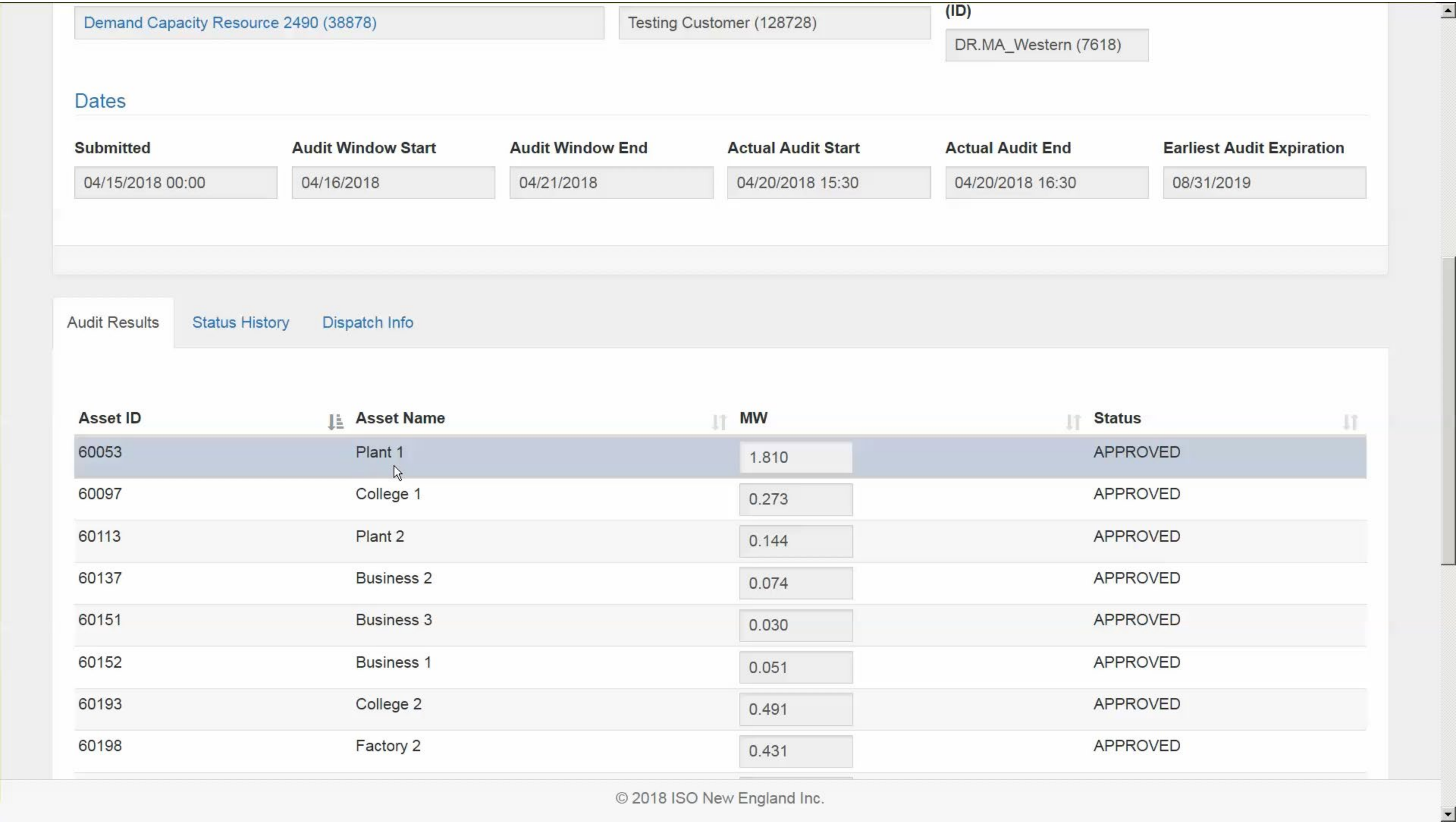
Individual Asset Contribution to Audit

Scrolled-Down From Previous Screen



Demand Capacity Resource 2490 (38878)

Testing Customer (128728)

(ID)

DR.MA_Western (7618)

Dates

Submitted	Audit Window Start	Audit Window End	Actual Audit Start	Actual Audit End	Earliest Audit Expiration
04/15/2018 00:00	04/16/2018	04/21/2018	04/20/2018 15:30	04/20/2018 16:30	08/31/2019

Asset ID	Asset Name	MW	Status
60053	Plant 1	1.810	APPROVED
60097	College 1	0.273	APPROVED
60113	Plant 2	0.144	APPROVED
60137	Business 2	0.074	APPROVED
60151	Business 3	0.030	APPROVED
60152	Business 1	0.051	APPROVED
60193	College 2	0.491	APPROVED
60198	Factory 2	0.431	APPROVED

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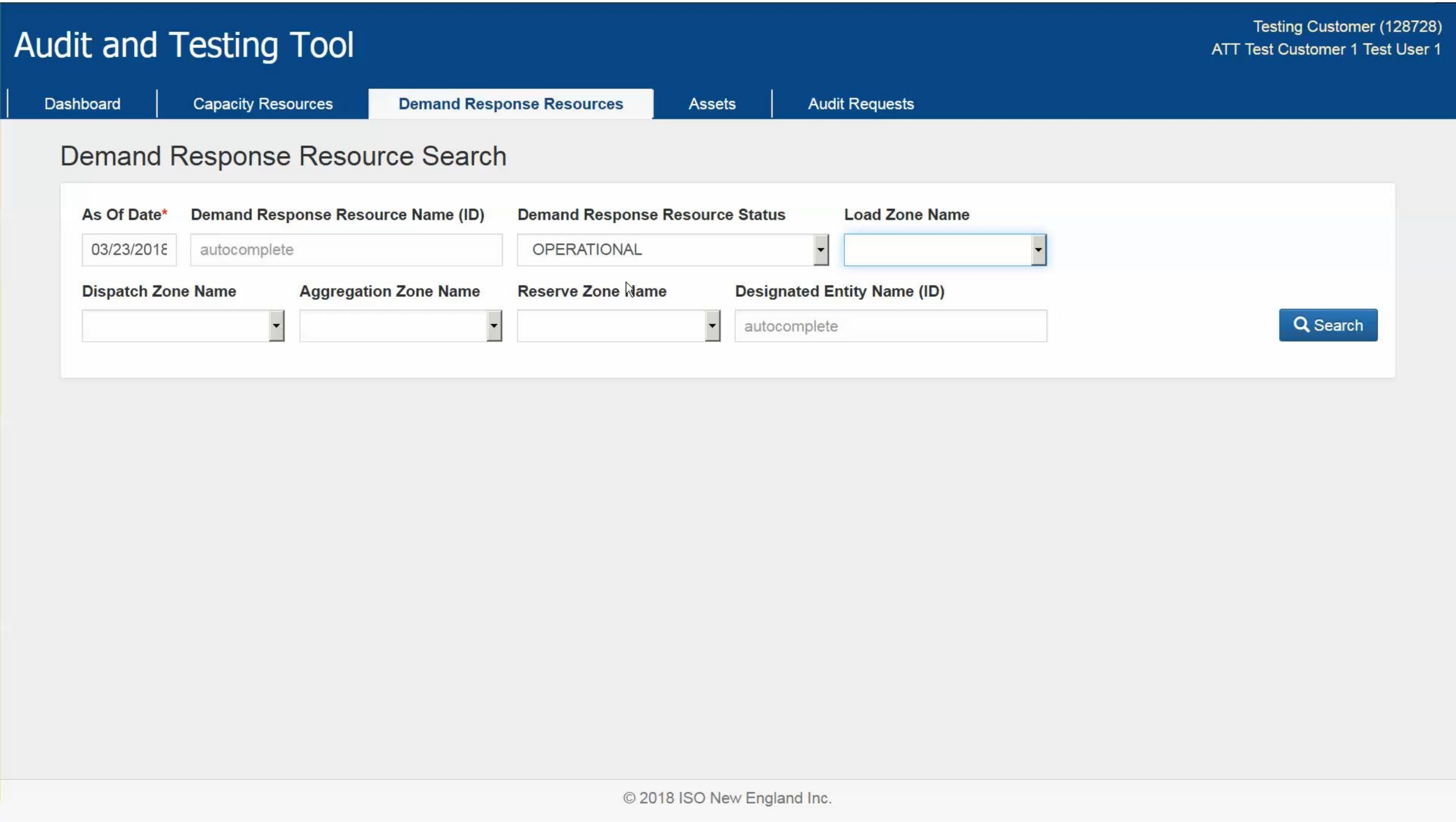
Demand Response Resource Tab



Audit and Testing Tool
Testing Customer (128728)
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Demand Response Resource Search

As Of Date*: 03/23/2018

Demand Response Resource Name (ID): autocomplete

Demand Response Resource Status: OPERATIONAL

Load Zone Name:

Dispatch Zone Name:

Aggregation Zone Name:

Reserve Zone Name:

Designated Entity Name (ID): autocomplete

Search

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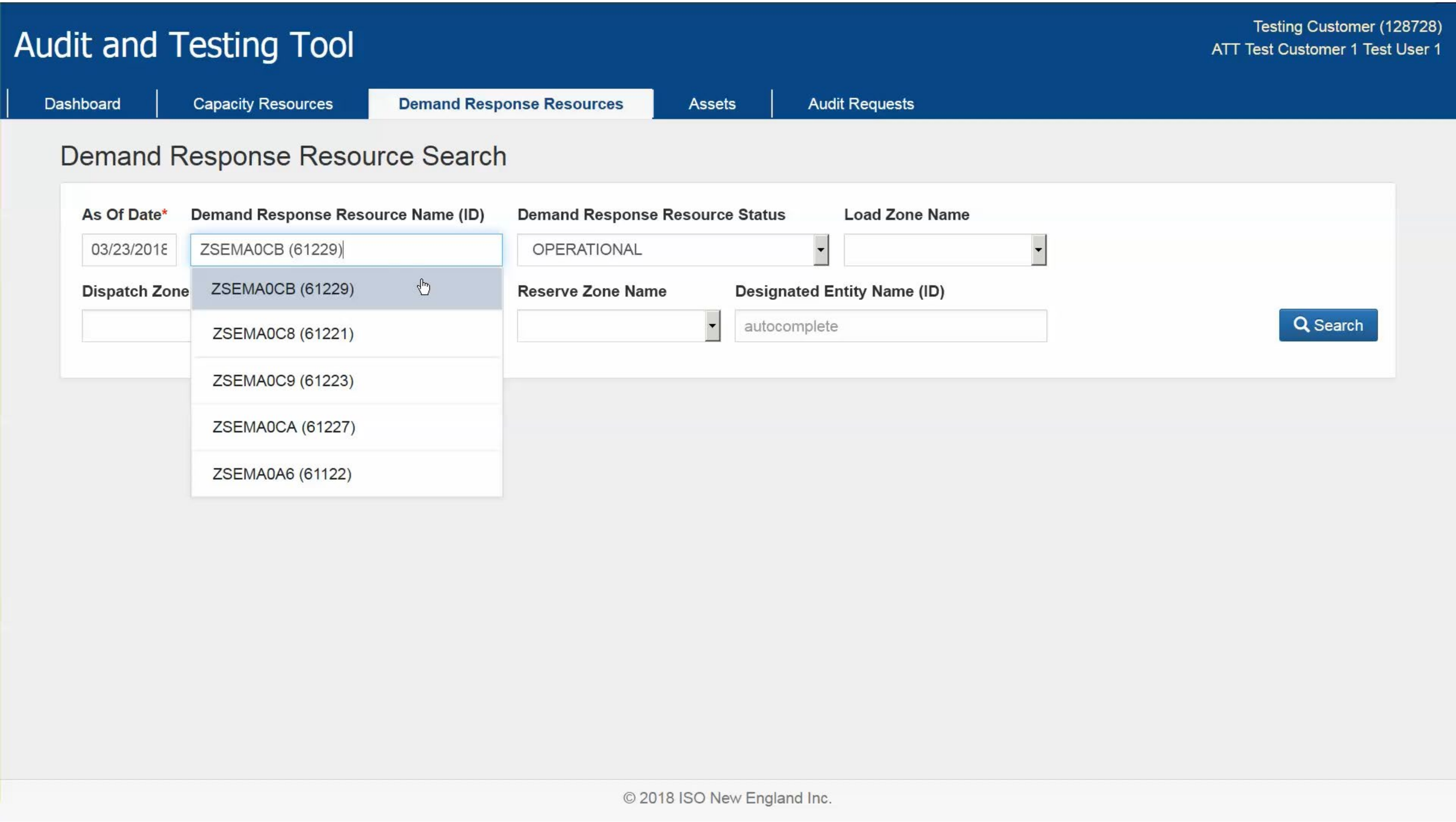
Start Typing – Autocomplete Will Show You Options



Audit and Testing Tool

Testing Customer (128728)
ATT Test Customer 1 Test User 1

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Demand Response Resource Search

As Of Date*: 03/23/2018

Demand Response Resource Name (ID): ZSEMA0CB (61229)

- ZSEMA0CB (61229)
- ZSEMA0C8 (61221)
- ZSEMA0C9 (61223)
- ZSEMA0CA (61227)
- ZSEMA0A6 (61122)

Demand Response Resource Status: OPERATIONAL

Load Zone Name:

Dispatch Zone:

Reserve Zone Name:

Designated Entity Name (ID): autocomplete

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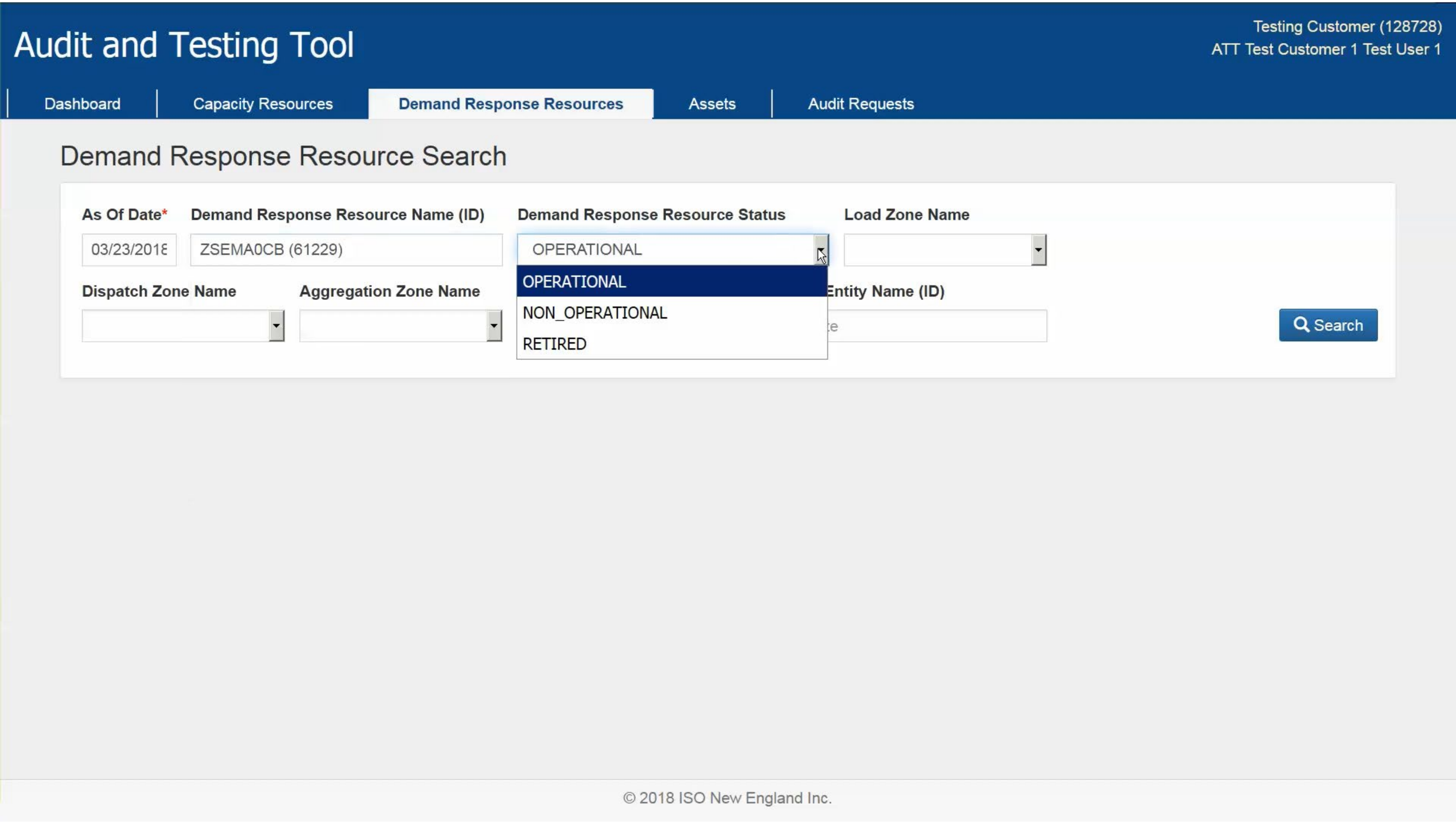
Filter Search Results as Desired



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
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Assets
Audit Requests

Demand Response Resource Search

As Of Date*: 03/23/2018

Demand Response Resource Name (ID): ZSEMA0CB (61229)

Demand Response Resource Status: OPERATIONAL

Load Zone Name:

Dispatch Zone Name:

Aggregation Zone Name:

OPERATIONAL
NON_OPERATIONAL
RETIRED
Entity Name (ID)
Search
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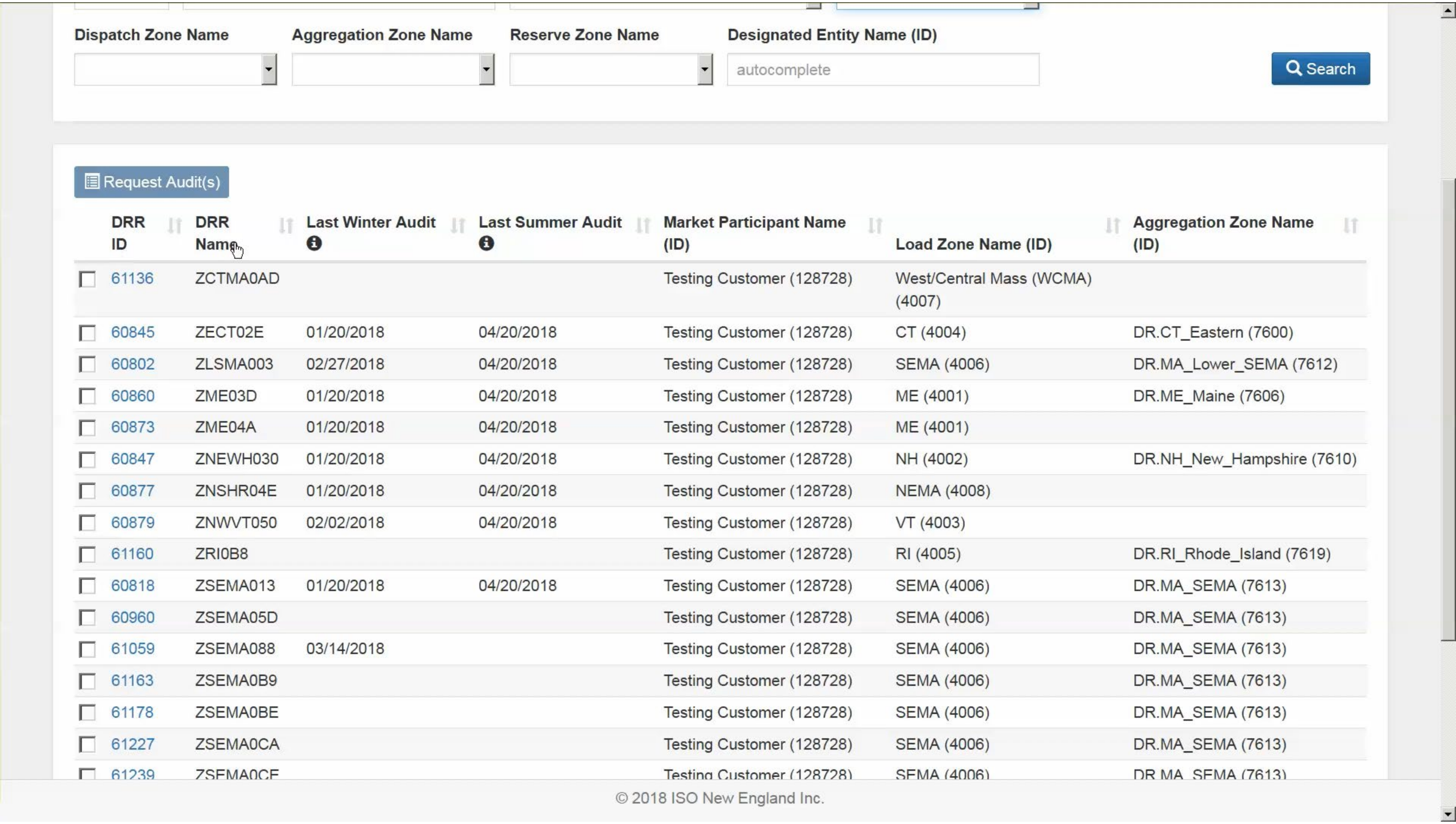
DRR Search Results



	DRR ID	DRR Name	Last Winter Audit	Last Summer Audit	Market Participant Name (ID)	Load Zone Name (ID)	Aggregation Zone Name (ID)
☐	61136	ZCTMA0AD			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	
☐	60845	ZECT02E	01/20/2018	04/20/2018	Testing Customer (128728)	CT (4004)	DR.CT_Eastern (7600)
☐	60802	ZLSMA003	02/27/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_Lower_SEMA (7612)
☐	60860	ZME03D	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	DR.ME_Maine (7606)
☐	60873	ZME04A	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	
☐	60847	ZNEWH030	01/20/2018	04/20/2018	Testing Customer (128728)	NH (4002)	DR.NH_New_Hampshire (7610)
☐	60877	ZNSHR04E	01/20/2018	04/20/2018	Testing Customer (128728)	NEMA (4008)	
☐	60879	ZNWVT050	02/02/2018	04/20/2018	Testing Customer (128728)	VT (4003)	
☐	61160	ZRI0B8			Testing Customer (128728)	RI (4005)	DR.RI_Rhode_Island (7619)
☐	60818	ZSEMA013	01/20/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	60960	ZSEMA05D			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61059	ZSEMA088	03/14/2018		Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61163	ZSEMA0B9			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61178	ZSEMA0BE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61227	ZSEMA0CA			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61239	ZSEMA0CE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)

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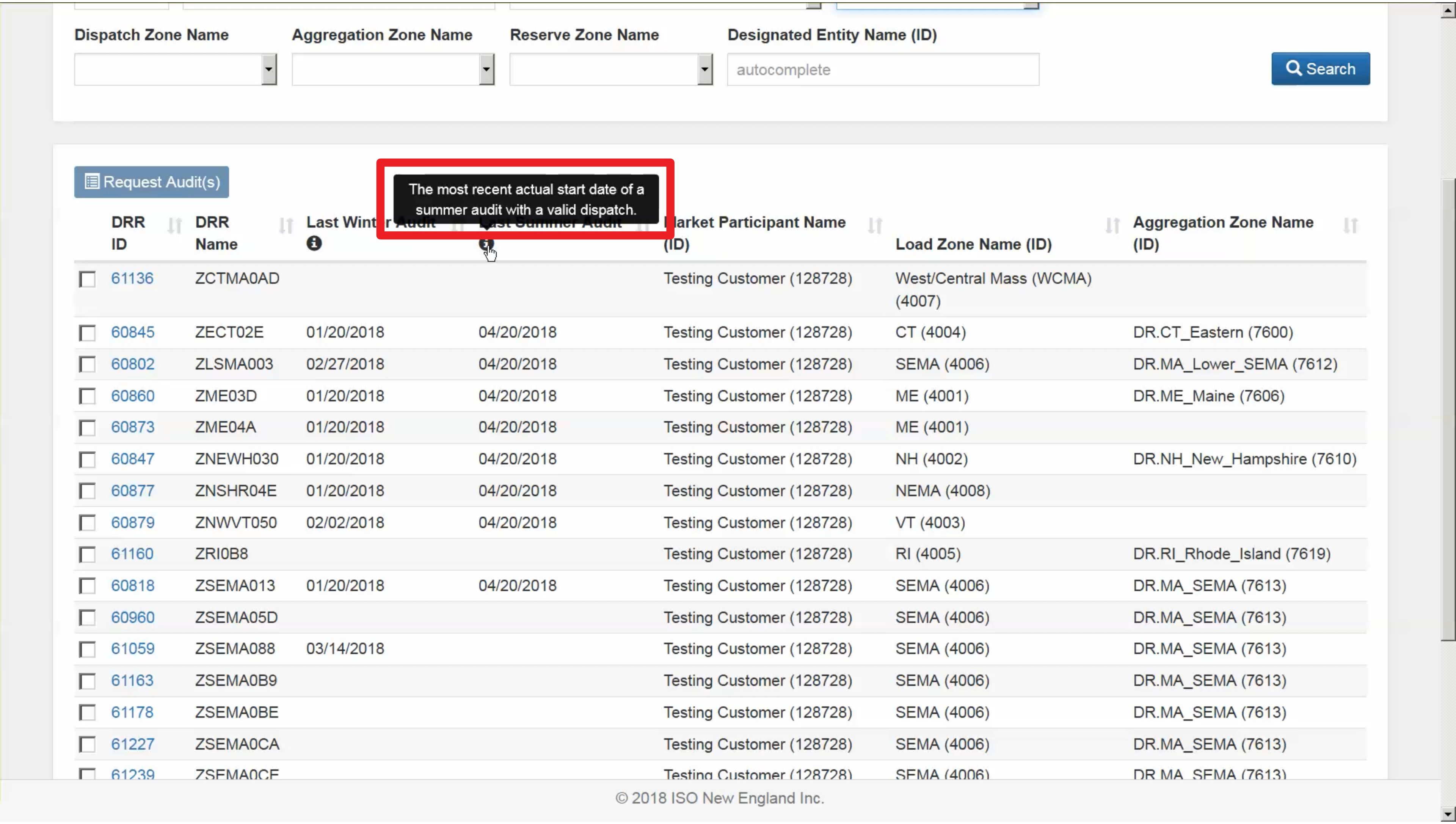
Tool Tips Provide Additional Details



The most recent actual start date of a summer audit with a valid dispatch.

	DRR ID	DRR Name	Last Wint r Audit	Last Summer Audit	arket Participant Name (ID)	Load Zone Name (ID)	Aggregation Zone Name (ID)
☐	61136	ZCTMA0AD			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	
☐	60845	ZECT02E	01/20/2018	04/20/2018	Testing Customer (128728)	CT (4004)	DR.CT_Eastern (7600)
☐	60802	ZLSMA003	02/27/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_Lower_SEMA (7612)
☐	60860	ZME03D	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	DR.ME_Maine (7606)
☐	60873	ZME04A	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	
☐	60847	ZNEWH030	01/20/2018	04/20/2018	Testing Customer (128728)	NH (4002)	DR.NH_New_Hampshire (7610)
☐	60877	ZNSHR04E	01/20/2018	04/20/2018	Testing Customer (128728)	NEMA (4008)	
☐	60879	ZNWVT050	02/02/2018	04/20/2018	Testing Customer (128728)	VT (4003)	
☐	61160	ZRI0B8			Testing Customer (128728)	RI (4005)	DR.RI_Rhode_Island (7619)
☐	60818	ZSEMA013	01/20/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	60960	ZSEMA05D			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61059	ZSEMA088	03/14/2018		Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61163	ZSEMA0B9			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61178	ZSEMA0BE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61227	ZSEMA0CA			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61239	ZSEMA0CE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)

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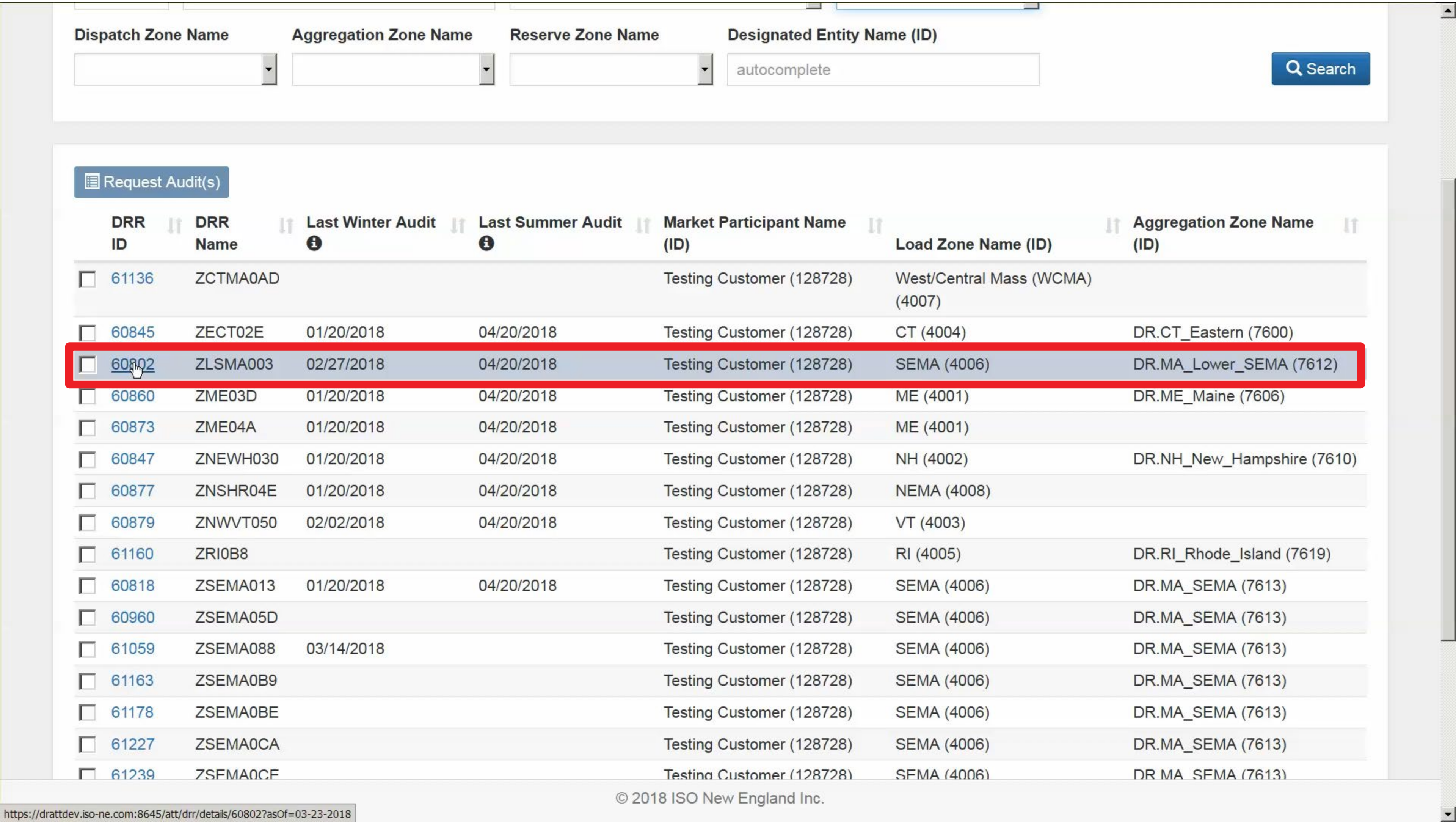
Click on the DRR ID to See Details



	DRR ID	DRR Name	Last Winter Audit	Last Summer Audit	Market Participant Name (ID)	Load Zone Name (ID)	Aggregation Zone Name (ID)
☐	61136	ZCTMA0AD			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	
☐	60845	ZECT02E	01/20/2018	04/20/2018	Testing Customer (128728)	CT (4004)	DR.CT_Eastern (7600)
☐	60802	ZLSMA003	02/27/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_Lower_SEMA (7612)
☐	60860	ZME03D	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	DR.ME_Maine (7606)
☐	60873	ZME04A	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	
☐	60847	ZNEWH030	01/20/2018	04/20/2018	Testing Customer (128728)	NH (4002)	DR.NH_New_Hampshire (7610)
☐	60877	ZNSHR04E	01/20/2018	04/20/2018	Testing Customer (128728)	NEMA (4008)	
☐	60879	ZNWVT050	02/02/2018	04/20/2018	Testing Customer (128728)	VT (4003)	
☐	61160	ZRI0B8			Testing Customer (128728)	RI (4005)	DR.RI_Rhode_Island (7619)
☐	60818	ZSEMA013	01/20/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	60960	ZSEMA05D			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61059	ZSEMA088	03/14/2018		Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61163	ZSEMA0B9			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61178	ZSEMA0BE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61227	ZSEMA0CA			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61239	ZSEMA0CE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)

https://drattdev.iso-ne.com:8645/att/drr/details/60802?asOf=03-23-2018

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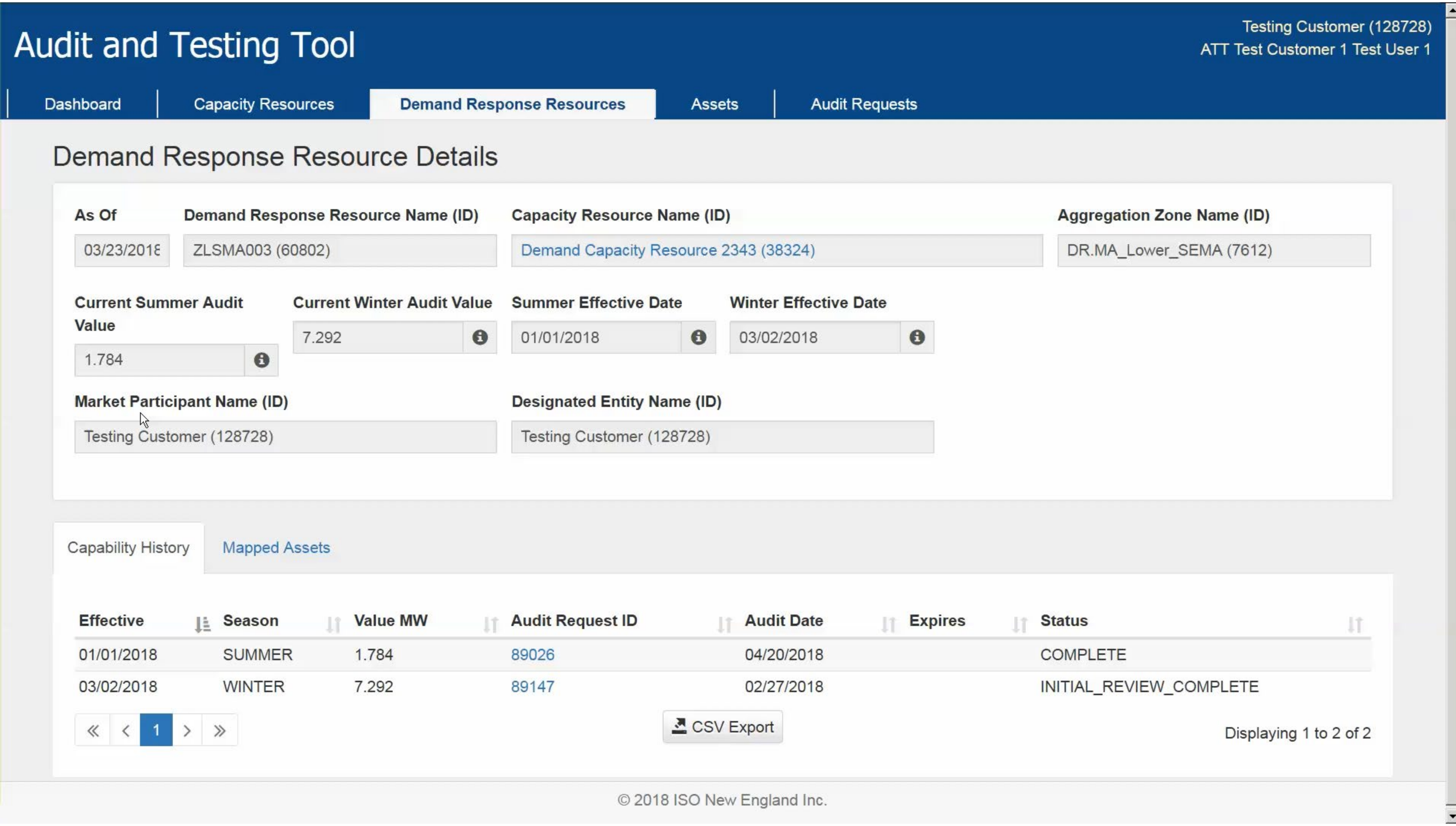
Demand-Response Resource Details


Audit and Testing Tool
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ATT Test Customer 1 Test User 1
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Demand Response Resource Details

As Of	03/23/2018
Demand Response Resource Name (ID)	ZLSMA003 (60802)
Capacity Resource Name (ID)	Demand Capacity Resource 2343 (38324)
Aggregation Zone Name (ID)	DR.MA_Lower_SEMA (7612)
Current Summer Audit Value	1.784
Current Winter Audit Value	7.292
Summer Effective Date	01/01/2018
Winter Effective Date	03/02/2018
Market Participant Name (ID)	Testing Customer (128728)
Designated Entity Name (ID)	Testing Customer (128728)

Capability History
Mapped Assets

Effective	Season	Value MW	Audit Request ID	Audit Date	Expires	Status
01/01/2018	SUMMER	1.784	89026	04/20/2018		COMPLETE
03/02/2018	WINTER	7.292	89147	02/27/2018		INITIAL_REVIEW_COMPLETE

« ‹ 1 › »
CSV Export

Displaying 1 to 2 of 2

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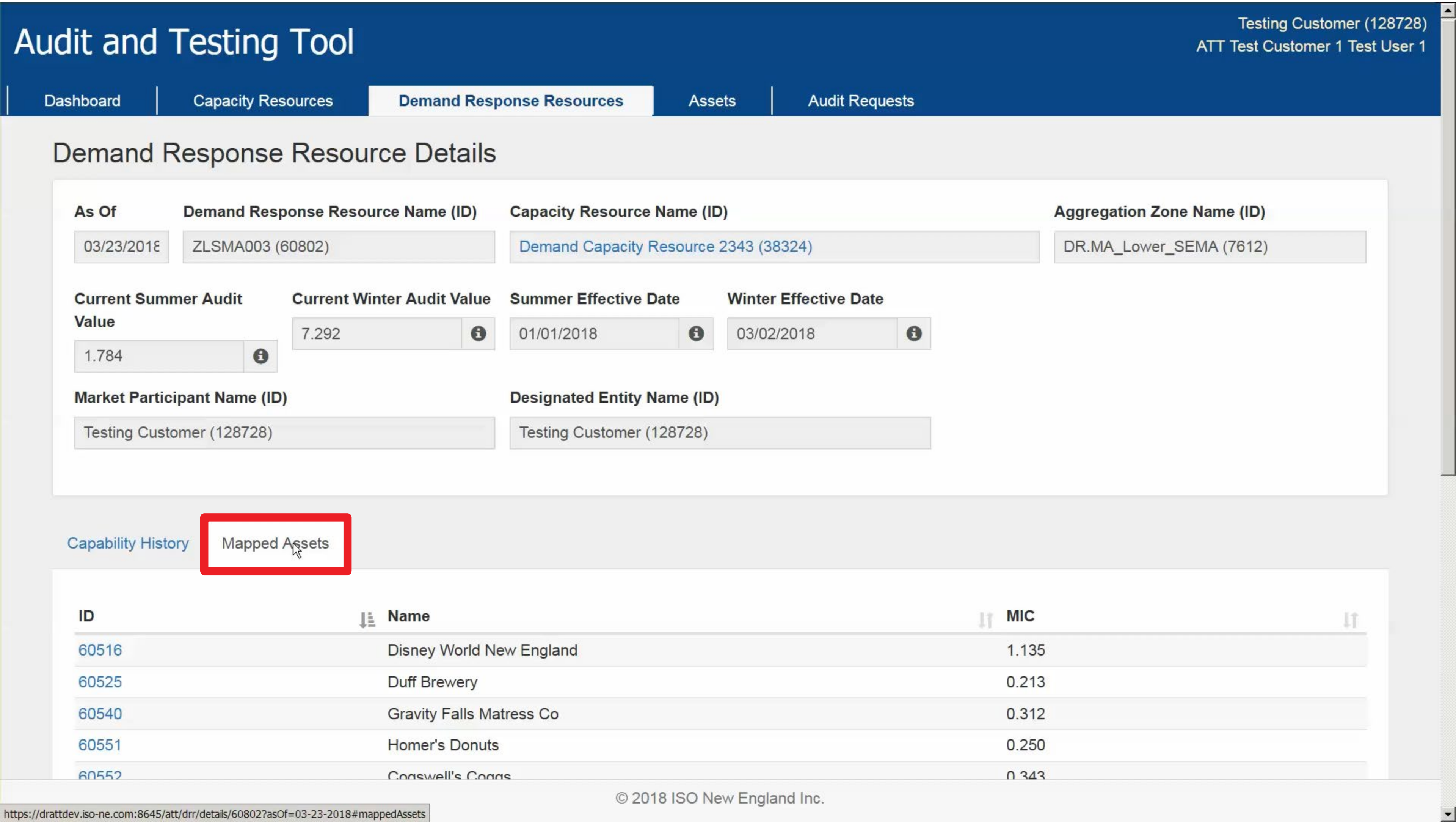
Mapped Assets Tab



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
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Demand Response Resource Details

As Of	Demand Response Resource Name (ID)	Capacity Resource Name (ID)	Aggregation Zone Name (ID)
03/23/2018	ZLSMA003 (60802)	Demand Capacity Resource 2343 (38324)	DR.MA_Lower_SEMA (7612)

Current Summer Audit Value	Current Winter Audit Value	Summer Effective Date	Winter Effective Date
1.784	7.292	01/01/2018	03/02/2018

Market Participant Name (ID)	Designated Entity Name (ID)
Testing Customer (128728)	Testing Customer (128728)

Capability History
Mapped Assets

ID	Name	MIC
60516	Disney World New England	1.135
60525	Duff Brewery	0.213
60540	Gravity Falls Matress Co	0.312
60551	Homer's Donuts	0.250
60552	Cogswell's Coggs	0.343

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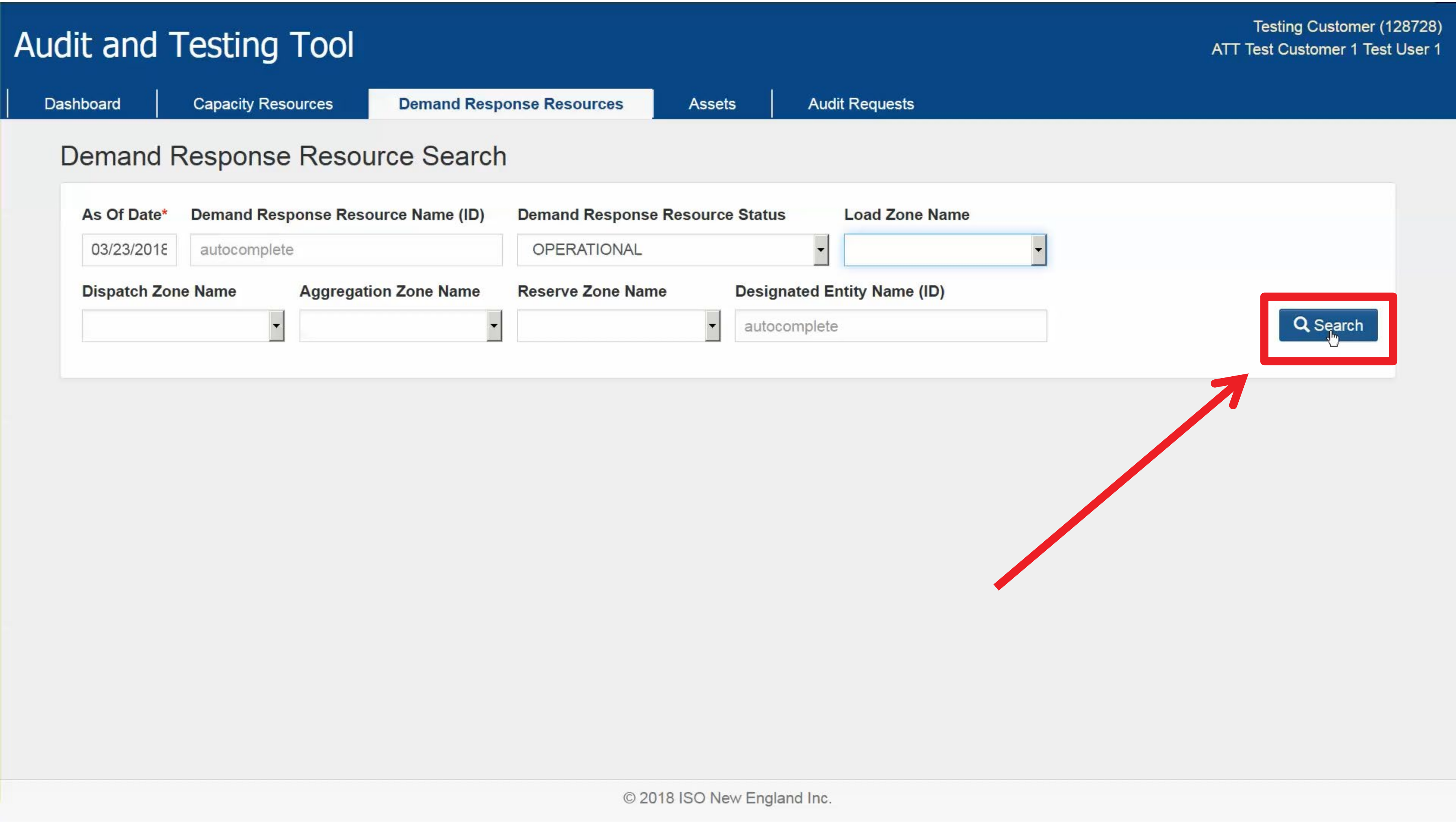
https://drattdev.iso-ne.com:8645/att/drr/details/60802?asOf=03-23-2018#mappedAssets

Request an Audit

One DRR

Search for the DRR to Audit



Audit and Testing Tool

Testing Customer (128728)
ATT Test Customer 1 Test User 1

Dashboard
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Audit Requests

Demand Response Resource Search

As Of Date*: 03/23/2018
Demand Response Resource Name (ID): autocomplete
Demand Response Resource Status: OPERATIONAL
Load Zone Name:
Dispatch Zone Name:
Aggregation Zone Name:
Reserve Zone Name:
Designated Entity Name (ID): autocomplete

Search

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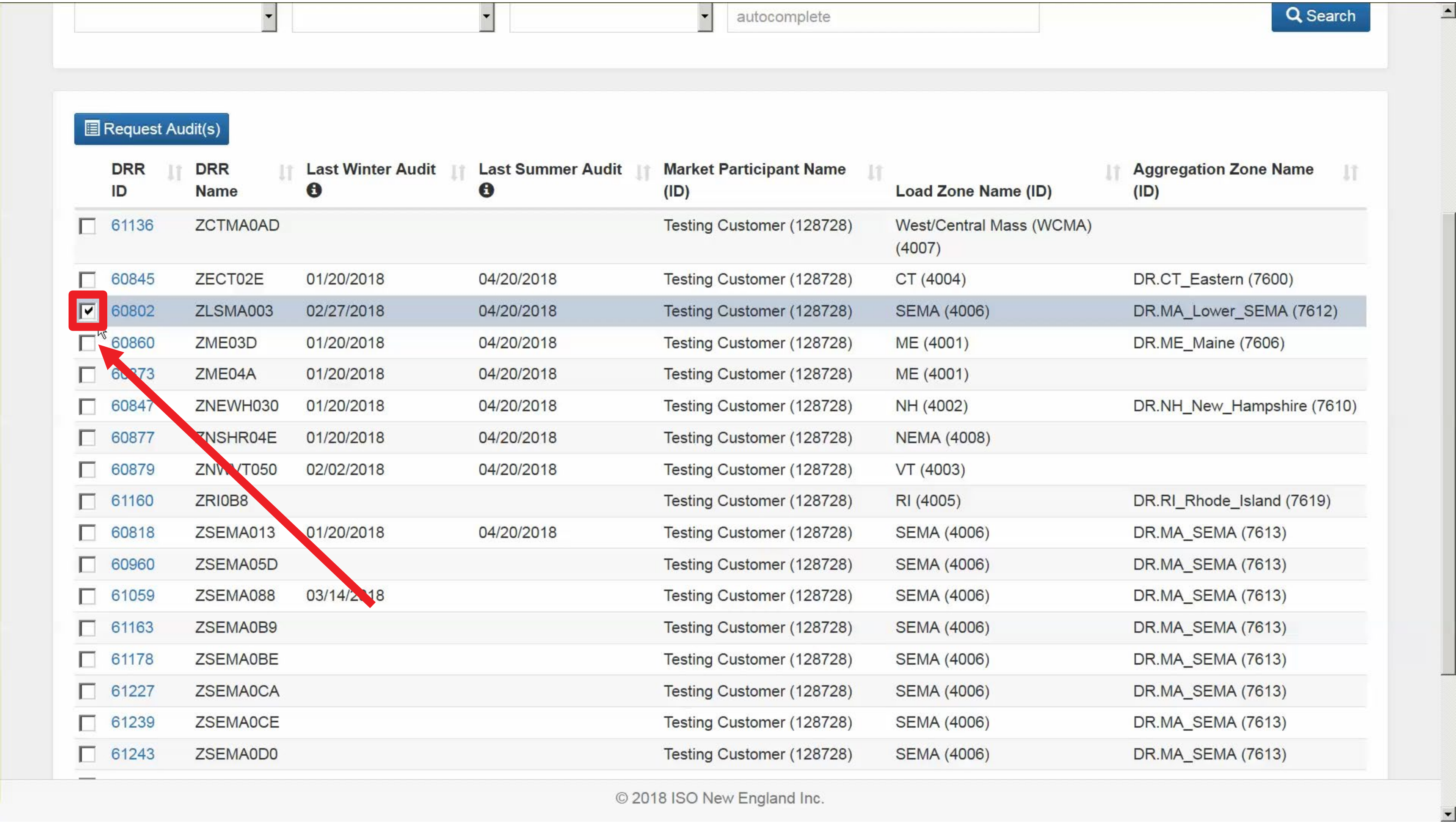
Select the DRR to Audit



	DRR ID	DRR Name	Last Winter Audit	Last Summer Audit	Market Participant Name (ID)	Load Zone Name (ID)	Aggregation Zone Name (ID)
☐	61136	ZCTMA0AD			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	
☐	60845	ZECT02E	01/20/2018	04/20/2018	Testing Customer (128728)	CT (4004)	DR.CT_Eastern (7600)
☑	60802	ZLSMA003	02/27/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_Lower_SEMA (7612)
☐	60860	ZME03D	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	DR.ME_Maine (7606)
☐	60873	ZME04A	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	
☐	60847	ZNEWH030	01/20/2018	04/20/2018	Testing Customer (128728)	NH (4002)	DR.NH_New_Hampshire (7610)
☐	60877	ZNSHR04E	01/20/2018	04/20/2018	Testing Customer (128728)	NEMA (4008)	
☐	60879	ZNWVT050	02/02/2018	04/20/2018	Testing Customer (128728)	VT (4003)	
☐	61160	ZRI0B8			Testing Customer (128728)	RI (4005)	DR.RI_Rhode_Island (7619)
☐	60818	ZSEMA013	01/20/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	60960	ZSEMA05D			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61059	ZSEMA088	03/14/2018		Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61163	ZSEMA0B9			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61178	ZSEMA0BE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61227	ZSEMA0CA			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61239	ZSEMA0CE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61243	ZSEMA0D0			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)

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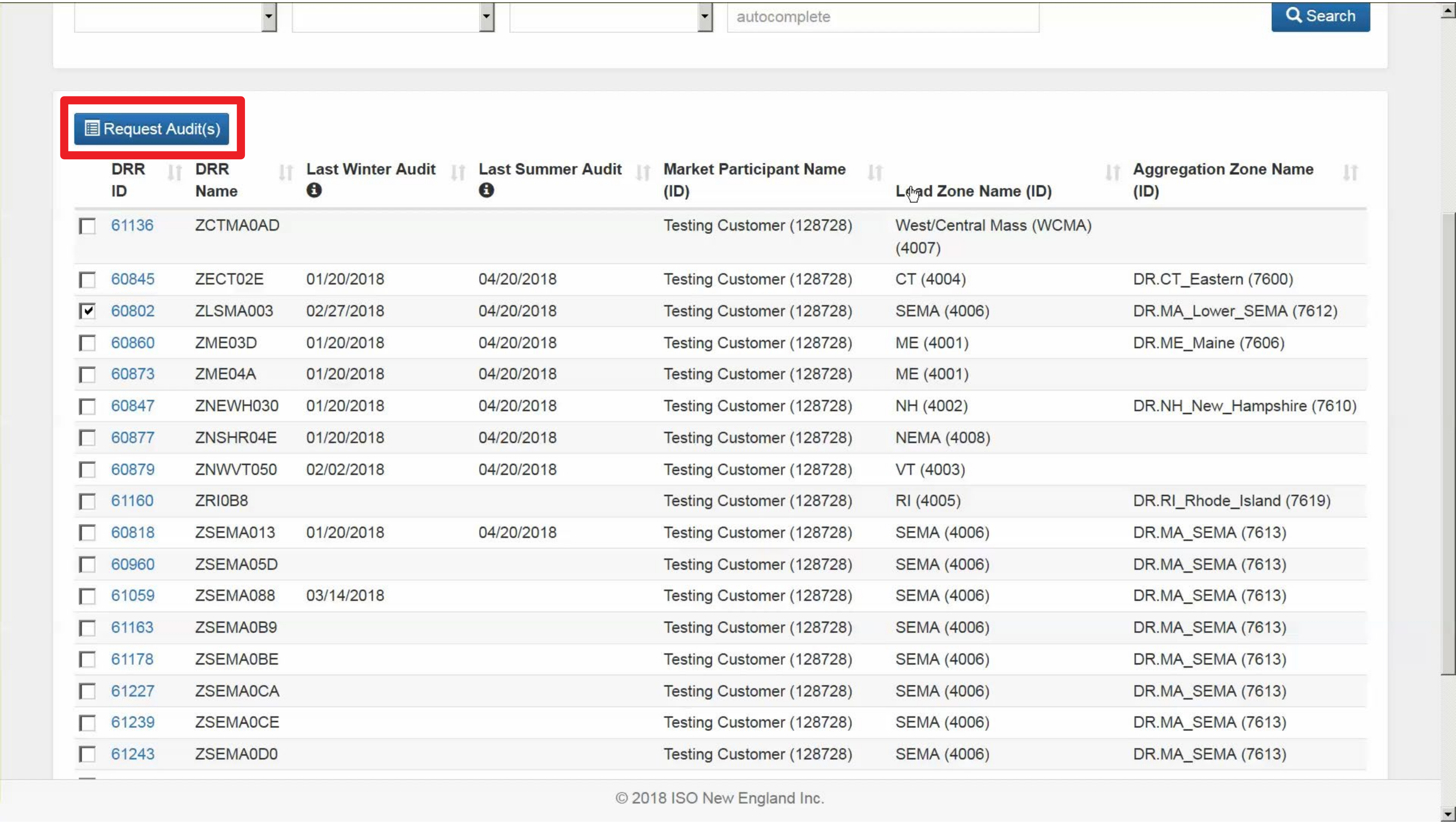
Click the Request Audit(s) Button



	DRR ID	DRR Name	Last Winter Audit	Last Summer Audit	Market Participant Name (ID)	Load Zone Name (ID)	Aggregation Zone Name (ID)
☐	61136	ZCTMA0AD			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	
☐	60845	ZECT02E	01/20/2018	04/20/2018	Testing Customer (128728)	CT (4004)	DR.CT_Eastern (7600)
☑	60802	ZLSMA003	02/27/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_Lower_SEMA (7612)
☐	60860	ZME03D	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	DR.ME_Maine (7606)
☐	60873	ZME04A	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	
☐	60847	ZNEWH030	01/20/2018	04/20/2018	Testing Customer (128728)	NH (4002)	DR.NH_New_Hampshire (7610)
☐	60877	ZNSHR04E	01/20/2018	04/20/2018	Testing Customer (128728)	NEMA (4008)	
☐	60879	ZNWVT050	02/02/2018	04/20/2018	Testing Customer (128728)	VT (4003)	
☐	61160	ZRI0B8			Testing Customer (128728)	RI (4005)	DR.RI_Rhode_Island (7619)
☐	60818	ZSEMA013	01/20/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	60960	ZSEMA05D			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61059	ZSEMA088	03/14/2018		Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61163	ZSEMA0B9			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61178	ZSEMA0BE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61227	ZSEMA0CA			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61239	ZSEMA0CE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61243	ZSEMA0D0			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)

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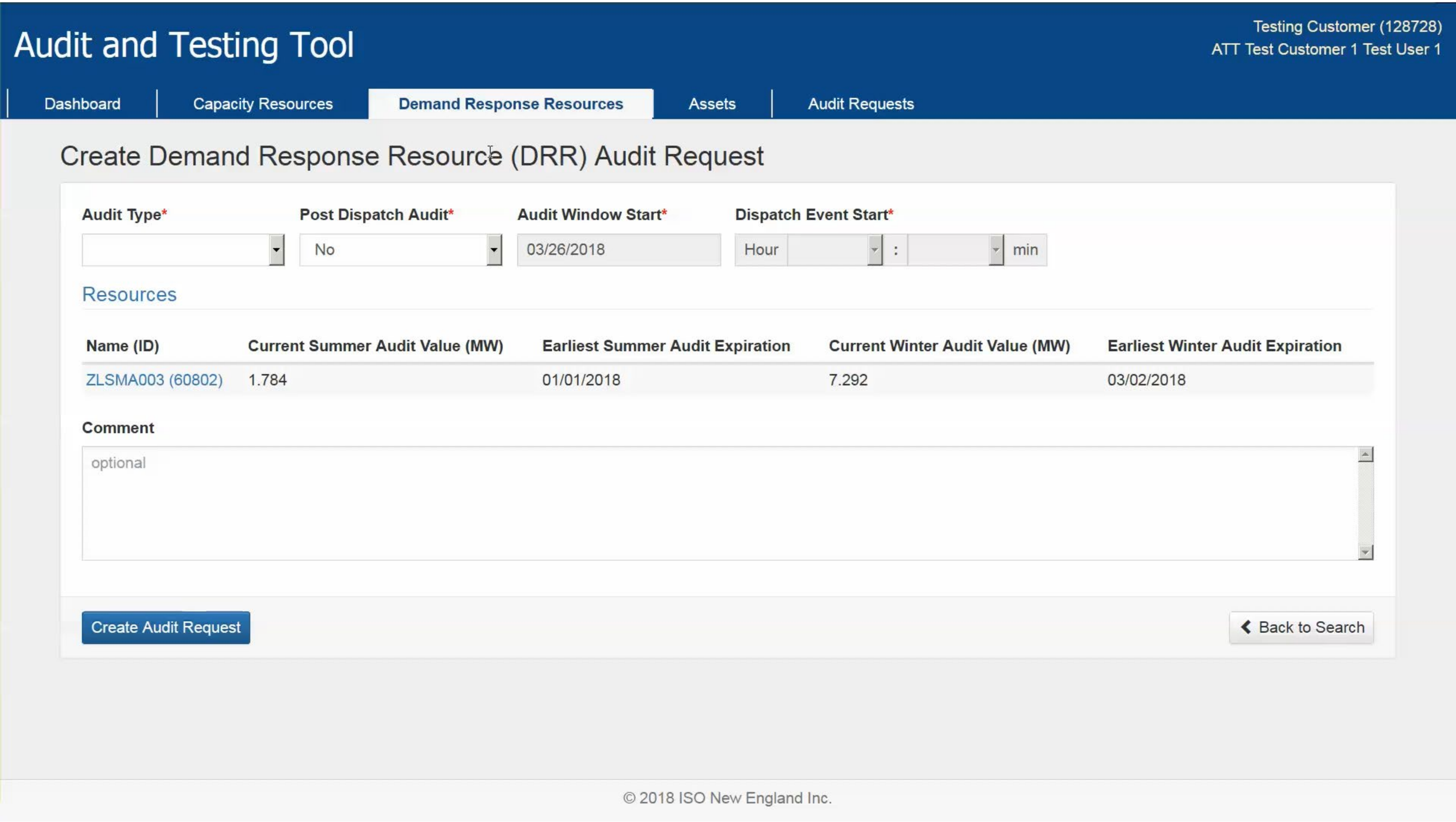
Create DRR Audit Request Page


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
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Create Demand Response Resource (DRR) Audit Request

Audit Type*	Post Dispatch Audit*	Audit Window Start*	Dispatch Event Start*
	No	03/26/2018	Hour : min

Resources

Name (ID)	Current Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZLSMA003 (60802)	1.784	01/01/2018	7.292	03/02/2018

Comment

optional

Create Audit Request
Back to Search

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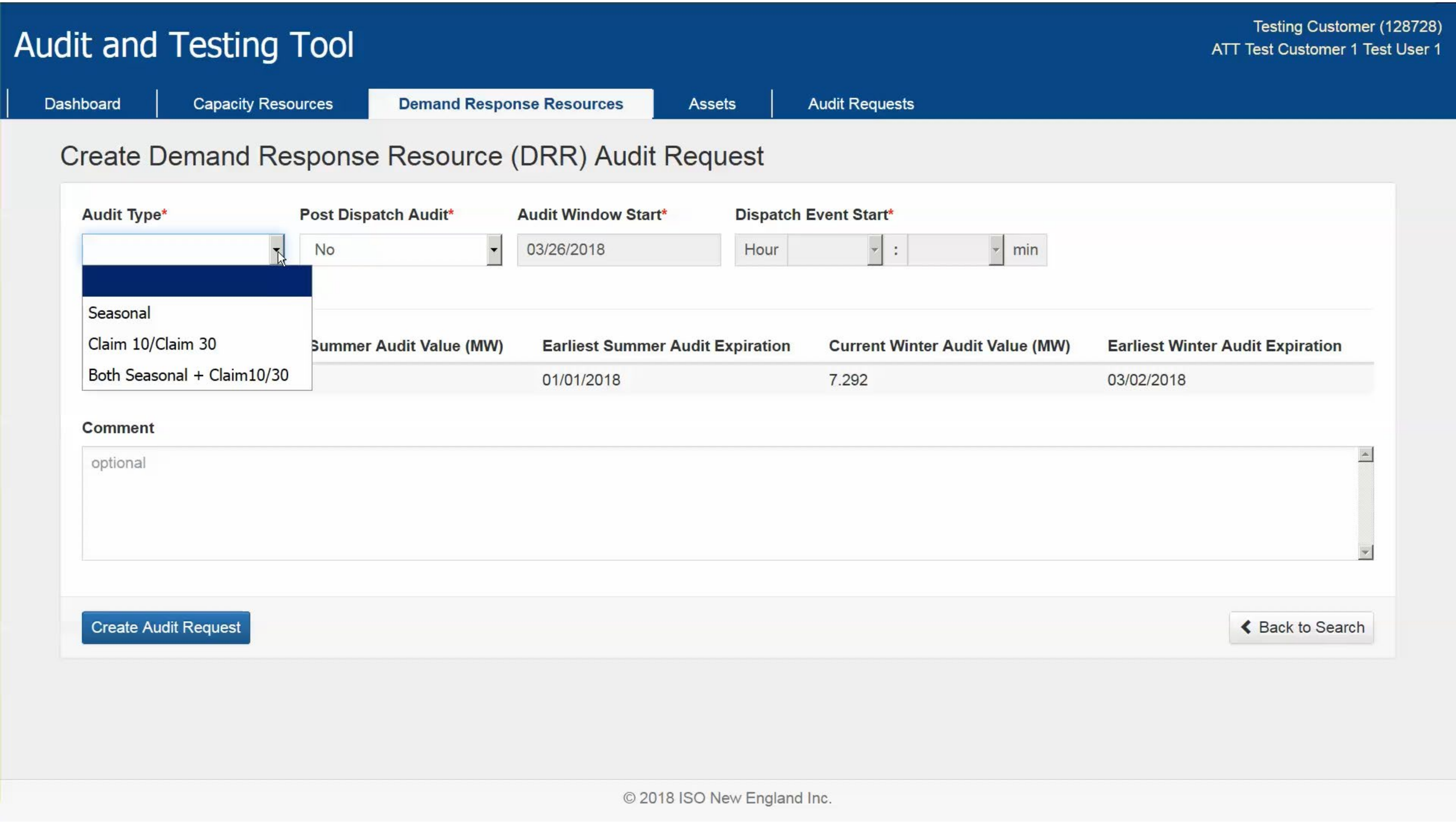
Choose Audit Type



Audit and Testing Tool
Testing Customer (128728)
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Create Demand Response Resource (DRR) Audit Request

Audit Type*: (dropdown open)
- Seasonal
- Claim 10/Claim 30
- Both Seasonal + Claim10/30

Post Dispatch Audit*: No

Audit Window Start*: 03/26/2018

Dispatch Event Start*: Hour : min

Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
	01/01/2018	7.292	03/02/2018

Comment: optional

Create Audit Request
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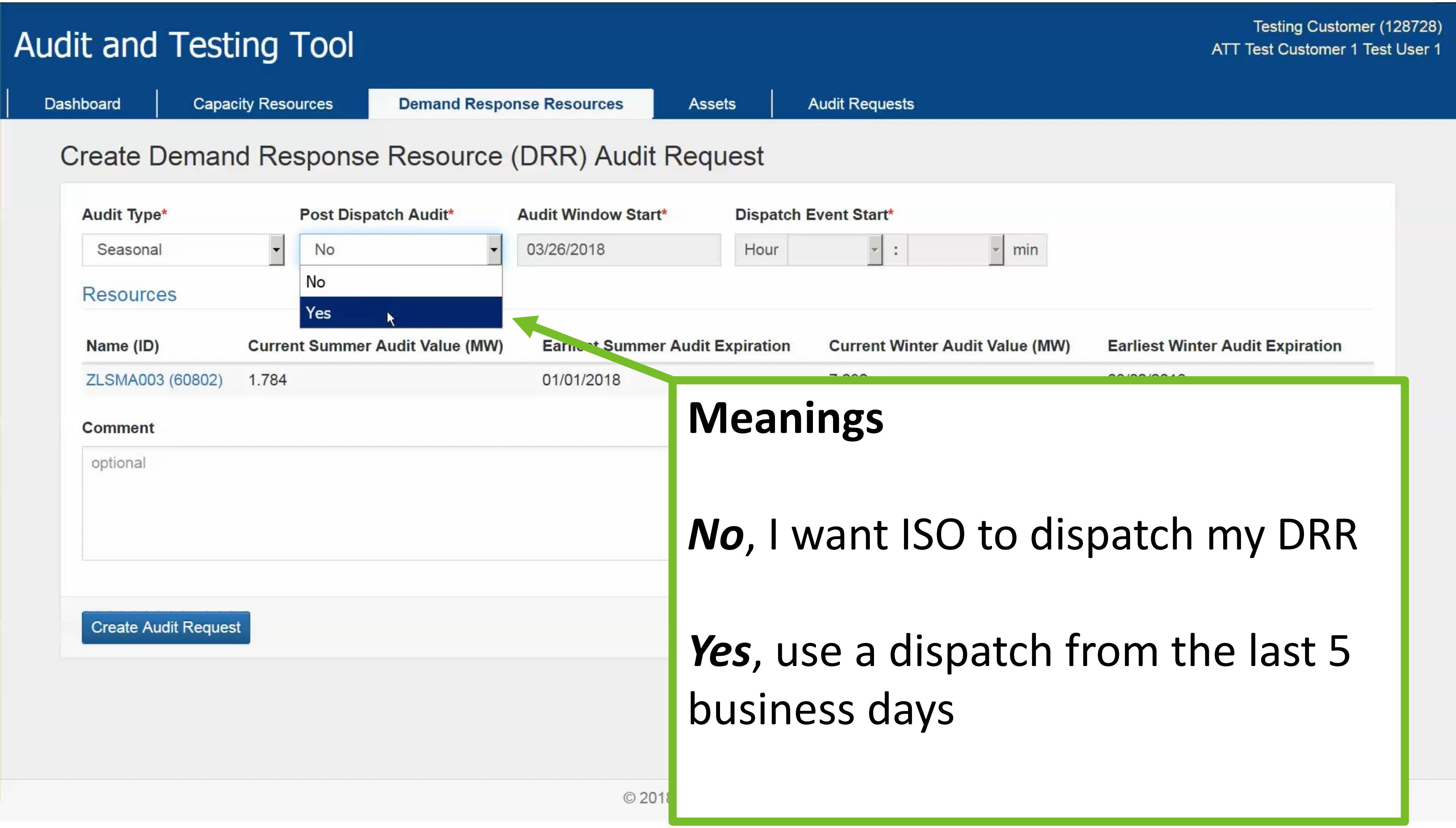
Choice: Yes, Use a Previous Dispatch for the Audit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© 201

Create Demand Response Resource (DRR) Audit Request

Audit Type*: Seasonal

Post Dispatch Audit*: No

- No
- Yes

Audit Window Start*: 03/26/2018

Dispatch Event Start*: Hour : min

Resources

Name (ID)	Current Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZLSMA003 (60802)	1.784	01/01/2018		

Comment

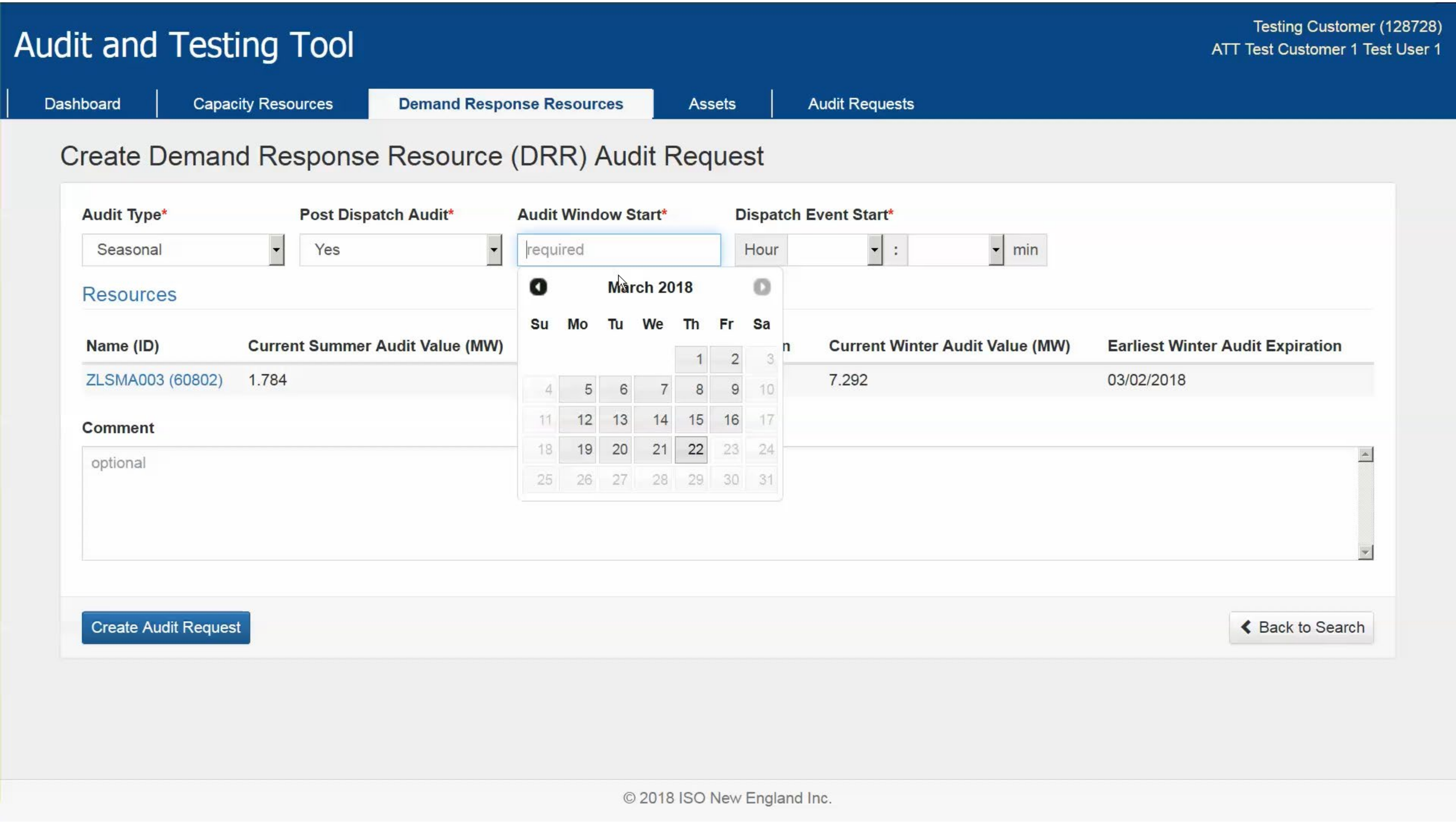
optional

Meanings

No, I want ISO to dispatch my DRR

Yes, use a dispatch from the last 5 business days

Enter the Dispatch Date – Within Past 5 Business Days



Audit and Testing Tool
Testing Customer (128728)
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Create Demand Response Resource (DRR) Audit Request

Audit Type*: Seasonal
Post Dispatch Audit*: Yes
Audit Window Start*: required
Dispatch Event Start*: Hour : min

March 2018

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Resources

Name (ID)	Current Summer Audit Value (MW)	n	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZLSMA003 (60802)	1.784		7.292	03/02/2018

Comment: optional

Create Audit Request
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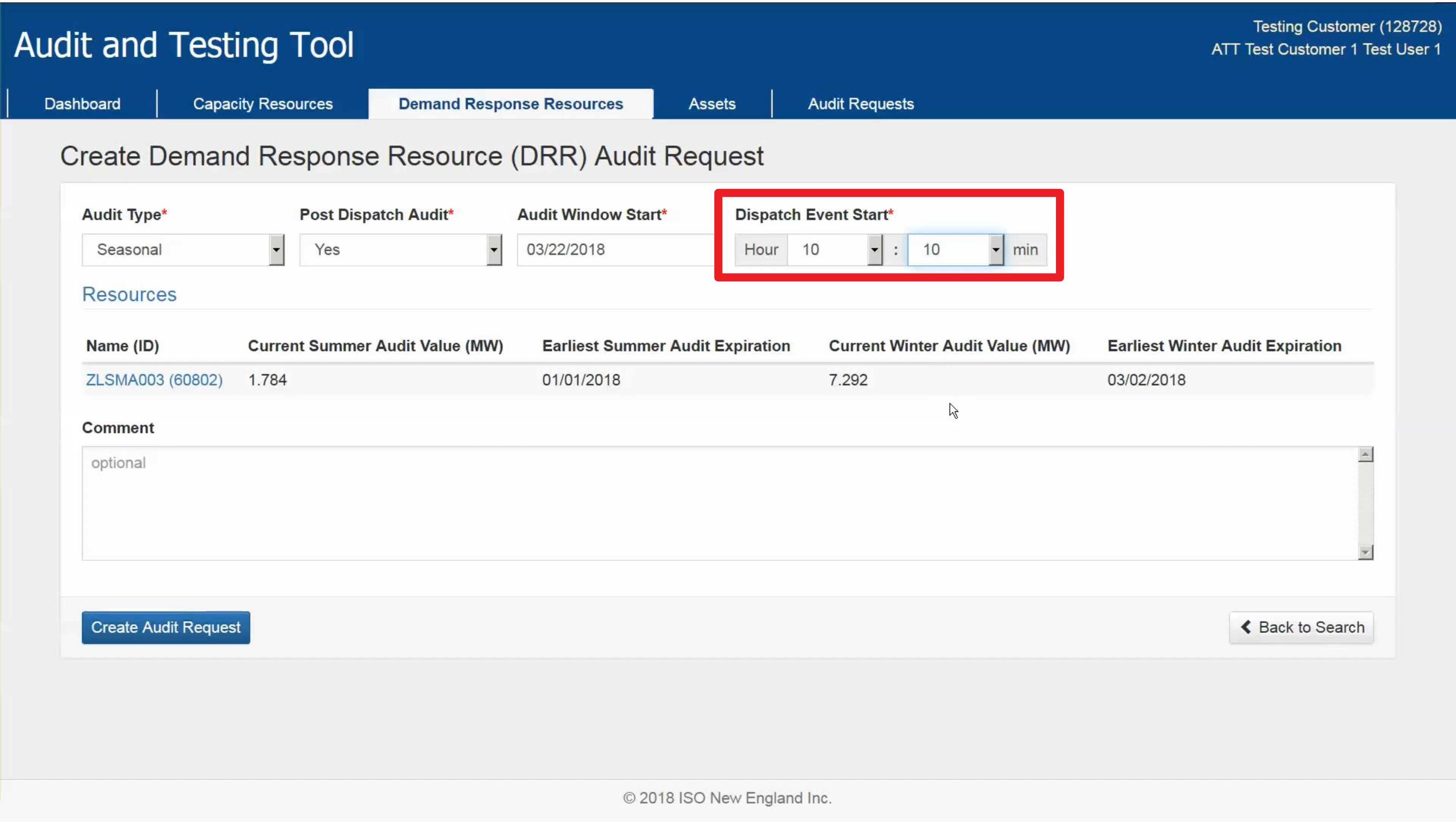
Select Dispatch Start Time



Audit and Testing Tool
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Create Demand Response Resource (DRR) Audit Request

Audit Type*: Seasonal

Post Dispatch Audit*: Yes

Audit Window Start*: 03/22/2018

Dispatch Event Start*: Hour 10 : 10 min

Resources

Name (ID)	Current Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZLSMA003 (60802)	1.784	01/01/2018	7.292	03/02/2018

Comment: optional

Create Audit Request
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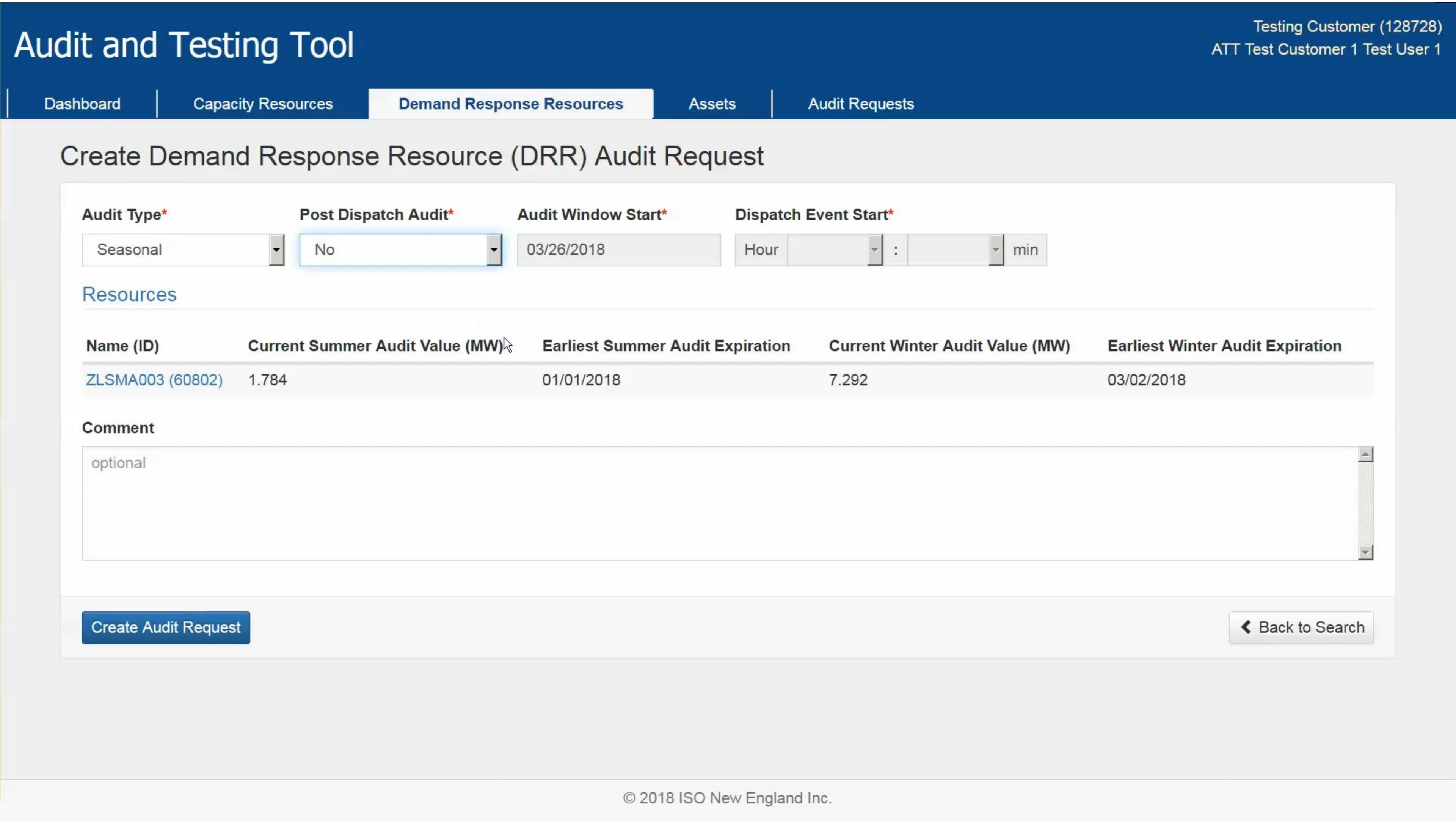
Selecting No Means ISO Will Dispatch You

You Can't Pick the Date or Time


Audit and Testing Tool
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Create Demand Response Resource (DRR) Audit Request

Audit Type*: Seasonal

Post Dispatch Audit*: No

Audit Window Start*: 03/26/2018

Dispatch Event Start*: Hour : min

Resources

Name (ID)	Current Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZLSMA003 (60802)	1.784	01/01/2018	7.292	03/02/2018

Comment

optional

Create Audit Request
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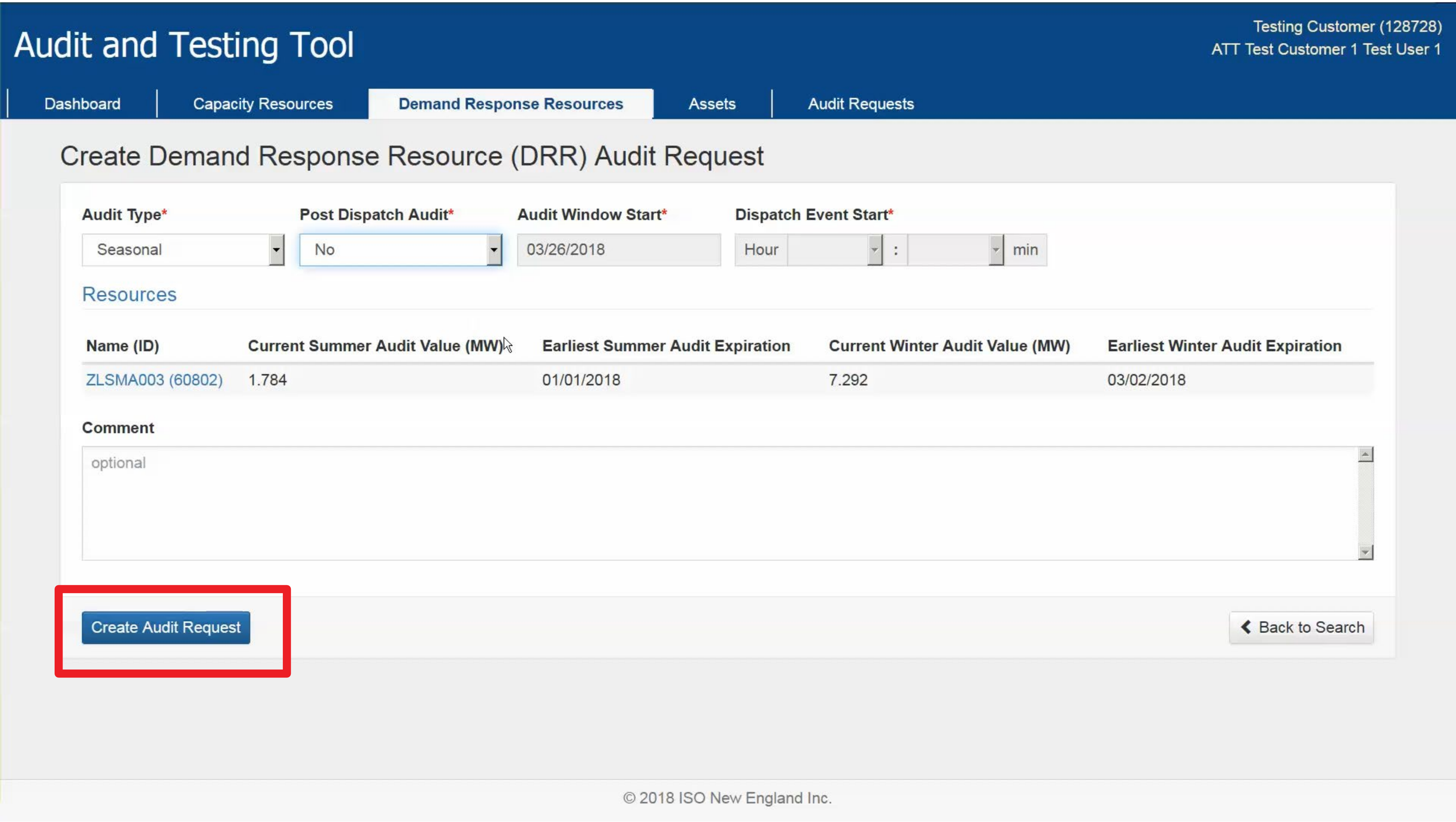
Select the *Create Audit Request* Button



Audit and Testing Tool
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Create Demand Response Resource (DRR) Audit Request

Audit Type*: Seasonal

Post Dispatch Audit*: No

Audit Window Start*: 03/26/2018

Dispatch Event Start*: Hour : min

Resources

Name (ID)	Current Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZLSMA003 (60802)	1.784	01/01/2018	7.292	03/02/2018

Comment: optional

Create Audit Request
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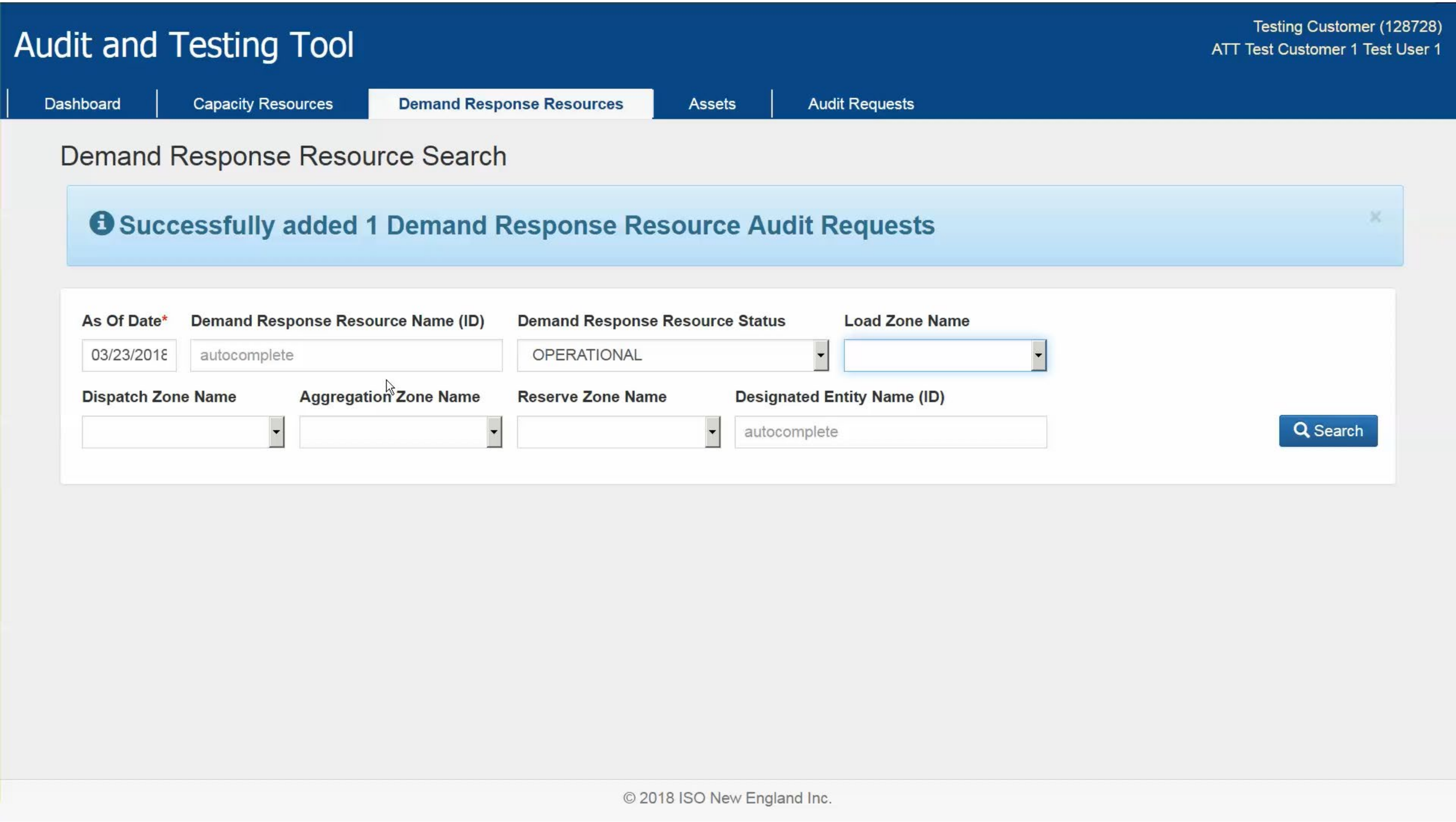
Success Message



Audit and Testing Tool
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Demand Response Resource Search

Successfully added 1 Demand Response Resource Audit Requests

As Of Date*: 03/23/2018

Demand Response Resource Name (ID): autocomplete

Demand Response Resource Status: OPERATIONAL

Load Zone Name:

Dispatch Zone Name:

Aggregation Zone Name:

Reserve Zone Name:

Designated Entity Name (ID): autocomplete

Search

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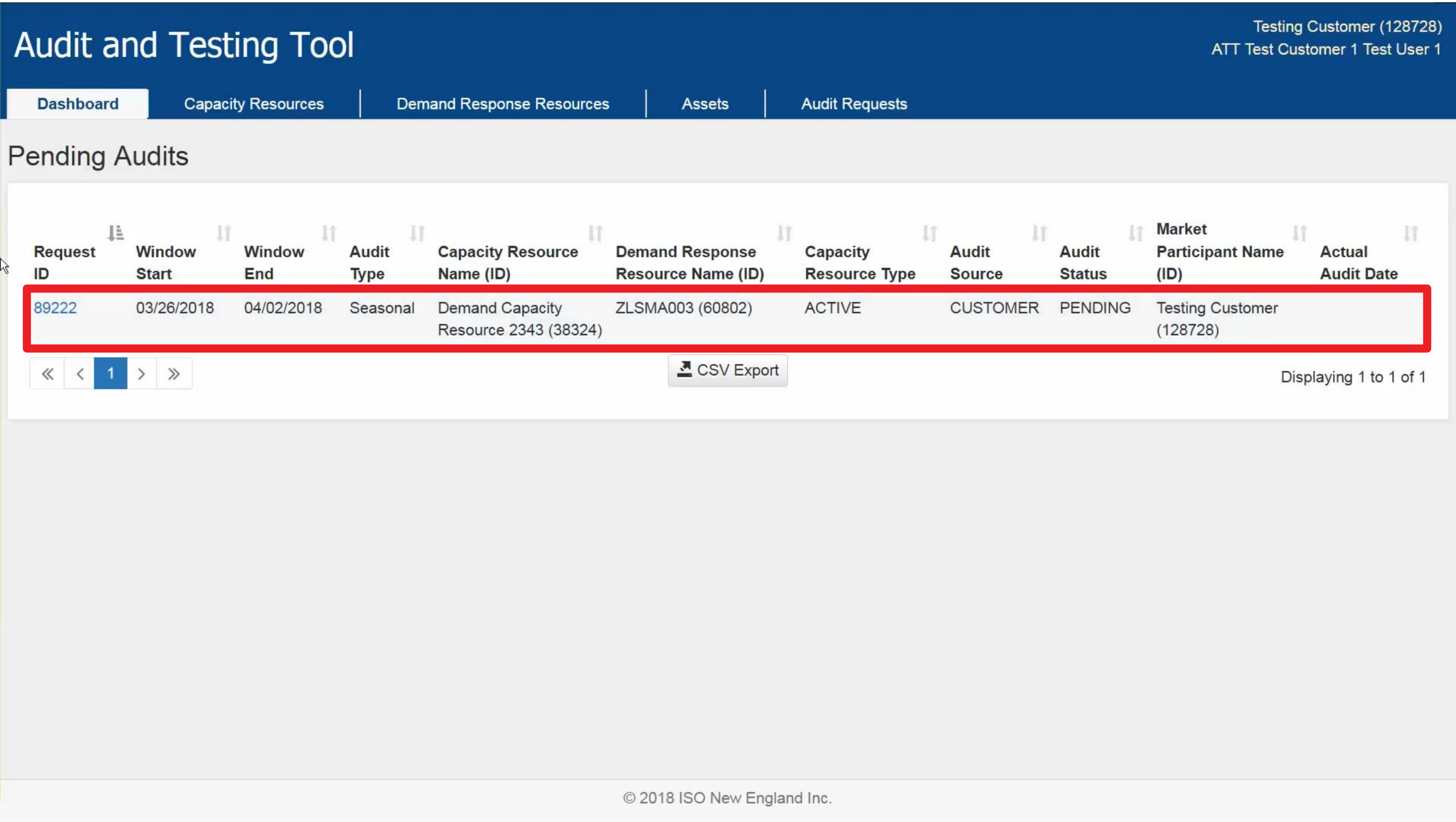
Dashboard Now Shows the New Pending Audit Request



Audit and Testing Tool
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Pending Audits

Request ID	Window Start	Window End	Audit Type	Capacity Resource Name (ID)	Demand Response Resource Name (ID)	Capacity Resource Type	Audit Source	Audit Status	Market Participant Name (ID)	Actual Audit Date
89222	03/26/2018	04/02/2018	Seasonal	Demand Capacity Resource 2343 (38324)	ZLSMA003 (60802)	ACTIVE	CUSTOMER	PENDING	Testing Customer (128728)	

« ‹ 1 › »
CSV Export

Displaying 1 to 1 of 1

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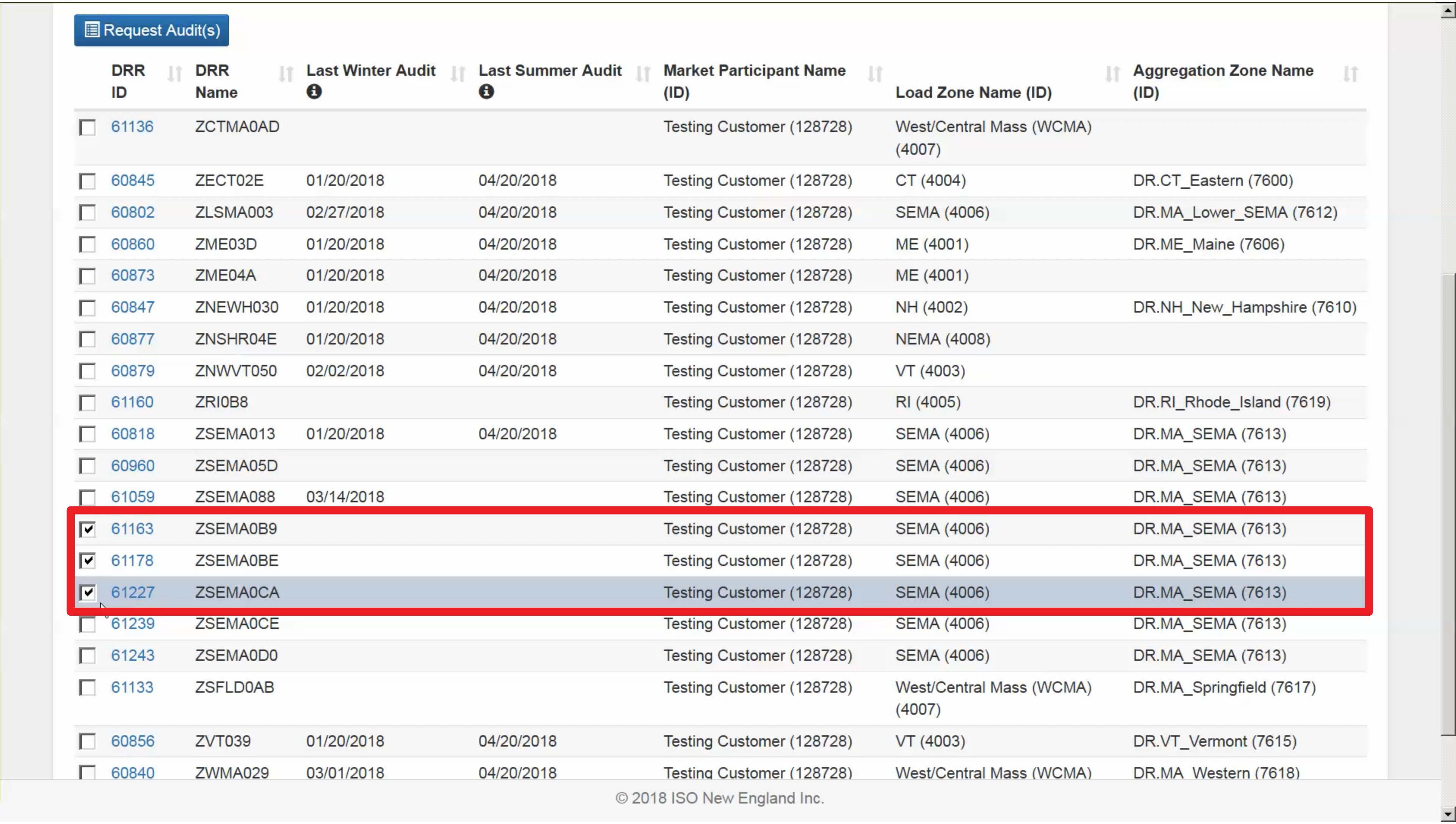
Request an Audit

Multiple DRRs

Select the DRRs to Audit



	DRR ID	DRR Name	Last Winter Audit	Last Summer Audit	Market Participant Name (ID)	Load Zone Name (ID)	Aggregation Zone Name (ID)
☐	61136	ZCTMA0AD			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	
☐	60845	ZECT02E	01/20/2018	04/20/2018	Testing Customer (128728)	CT (4004)	DR.CT_Eastern (7600)
☐	60802	ZLSMA003	02/27/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_Lower_SEMA (7612)
☐	60860	ZME03D	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	DR.ME_Maine (7606)
☐	60873	ZME04A	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	
☐	60847	ZNEWH030	01/20/2018	04/20/2018	Testing Customer (128728)	NH (4002)	DR.NH_New_Hampshire (7610)
☐	60877	ZNSHR04E	01/20/2018	04/20/2018	Testing Customer (128728)	NEMA (4008)	
☐	60879	ZNWVT050	02/02/2018	04/20/2018	Testing Customer (128728)	VT (4003)	
☐	61160	ZRI0B8			Testing Customer (128728)	RI (4005)	DR.RI_Rhode_Island (7619)
☐	60818	ZSEMA013	01/20/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	60960	ZSEMA05D			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61059	ZSEMA088	03/14/2018		Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☑	61163	ZSEMA0B9			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☑	61178	ZSEMA0BE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☑	61227	ZSEMA0CA			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61239	ZSEMA0CE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61243	ZSEMA0D0			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61133	ZSFLD0AB			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	DR.MA_Springfield (7617)
☐	60856	ZVT039	01/20/2018	04/20/2018	Testing Customer (128728)	VT (4003)	DR.VT_Vermont (7615)
☐	60840	ZWMA029	03/01/2018	04/20/2018	Testing Customer (128728)	West/Central Mass (WCMA)	DR.MA_Western (7618)

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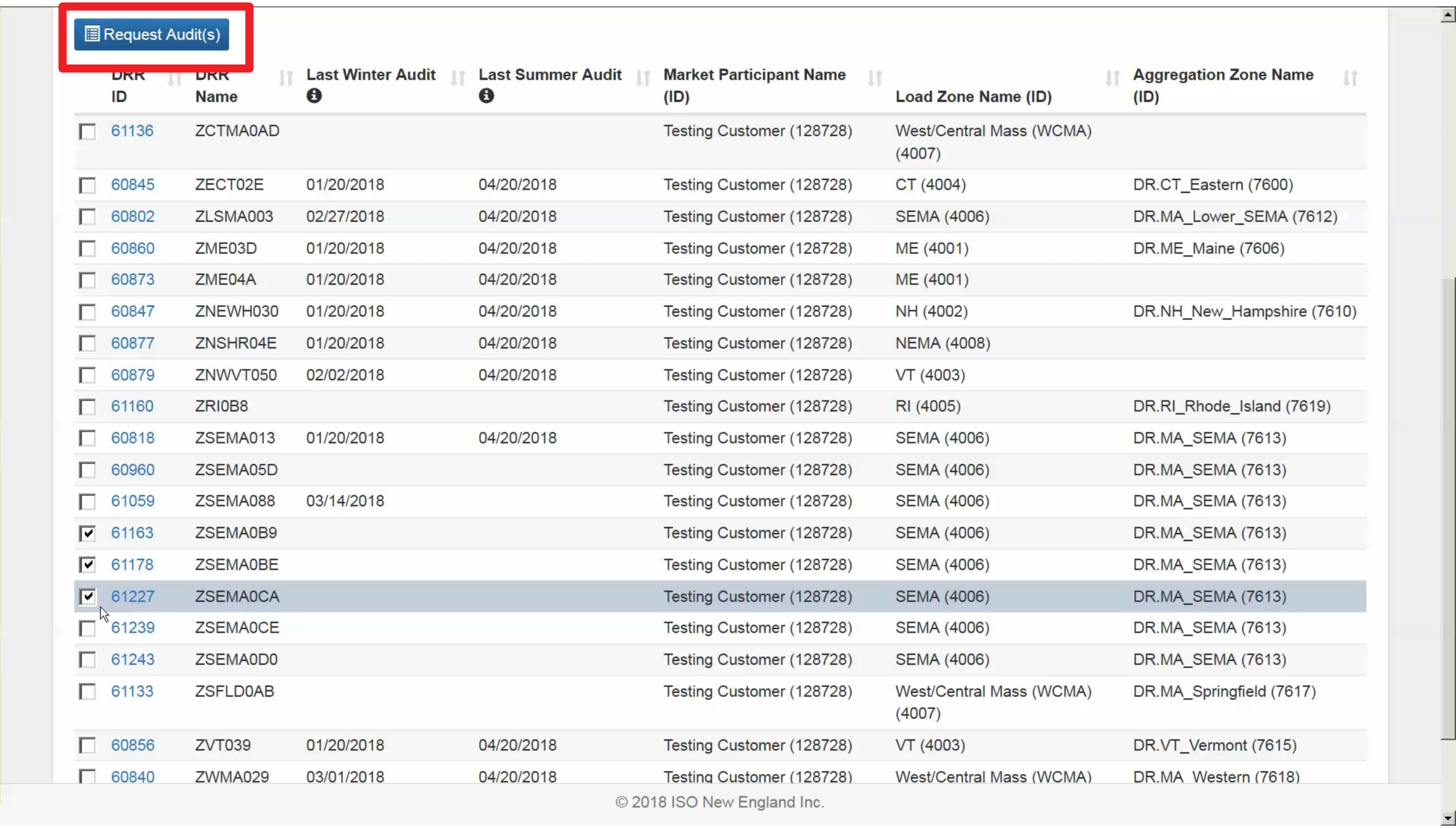
Select the Request Audit(s) Button



	DRR ID	DRR Name	Last Winter Audit	Last Summer Audit	Market Participant Name (ID)	Load Zone Name (ID)	Aggregation Zone Name (ID)
☐	61136	ZCTMA0AD			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	
☐	60845	ZECT02E	01/20/2018	04/20/2018	Testing Customer (128728)	CT (4004)	DR.CT_Eastern (7600)
☐	60802	ZLSMA003	02/27/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_Lower_SEMA (7612)
☐	60860	ZME03D	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	DR.ME_Maine (7606)
☐	60873	ZME04A	01/20/2018	04/20/2018	Testing Customer (128728)	ME (4001)	
☐	60847	ZNEWH030	01/20/2018	04/20/2018	Testing Customer (128728)	NH (4002)	DR.NH_New_Hampshire (7610)
☐	60877	ZNSHR04E	01/20/2018	04/20/2018	Testing Customer (128728)	NEMA (4008)	
☐	60879	ZNWVT050	02/02/2018	04/20/2018	Testing Customer (128728)	VT (4003)	
☐	61160	ZRI0B8			Testing Customer (128728)	RI (4005)	DR.RI_Rhode_Island (7619)
☐	60818	ZSEMA013	01/20/2018	04/20/2018	Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	60960	ZSEMA05D			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61059	ZSEMA088	03/14/2018		Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☑	61163	ZSEMA0B9			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☑	61178	ZSEMA0BE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☑	61227	ZSEMA0CA			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61239	ZSEMA0CE			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61243	ZSEMA0D0			Testing Customer (128728)	SEMA (4006)	DR.MA_SEMA (7613)
☐	61133	ZSFLD0AB			Testing Customer (128728)	West/Central Mass (WCMA) (4007)	DR.MA_Springfield (7617)
☐	60856	ZVT039	01/20/2018	04/20/2018	Testing Customer (128728)	VT (4003)	DR.VT_Vermont (7615)
☐	60840	ZWMA029	03/01/2018	04/20/2018	Testing Customer (128728)	West/Central Mass (WCMA)	DR.MA_Western (7618)

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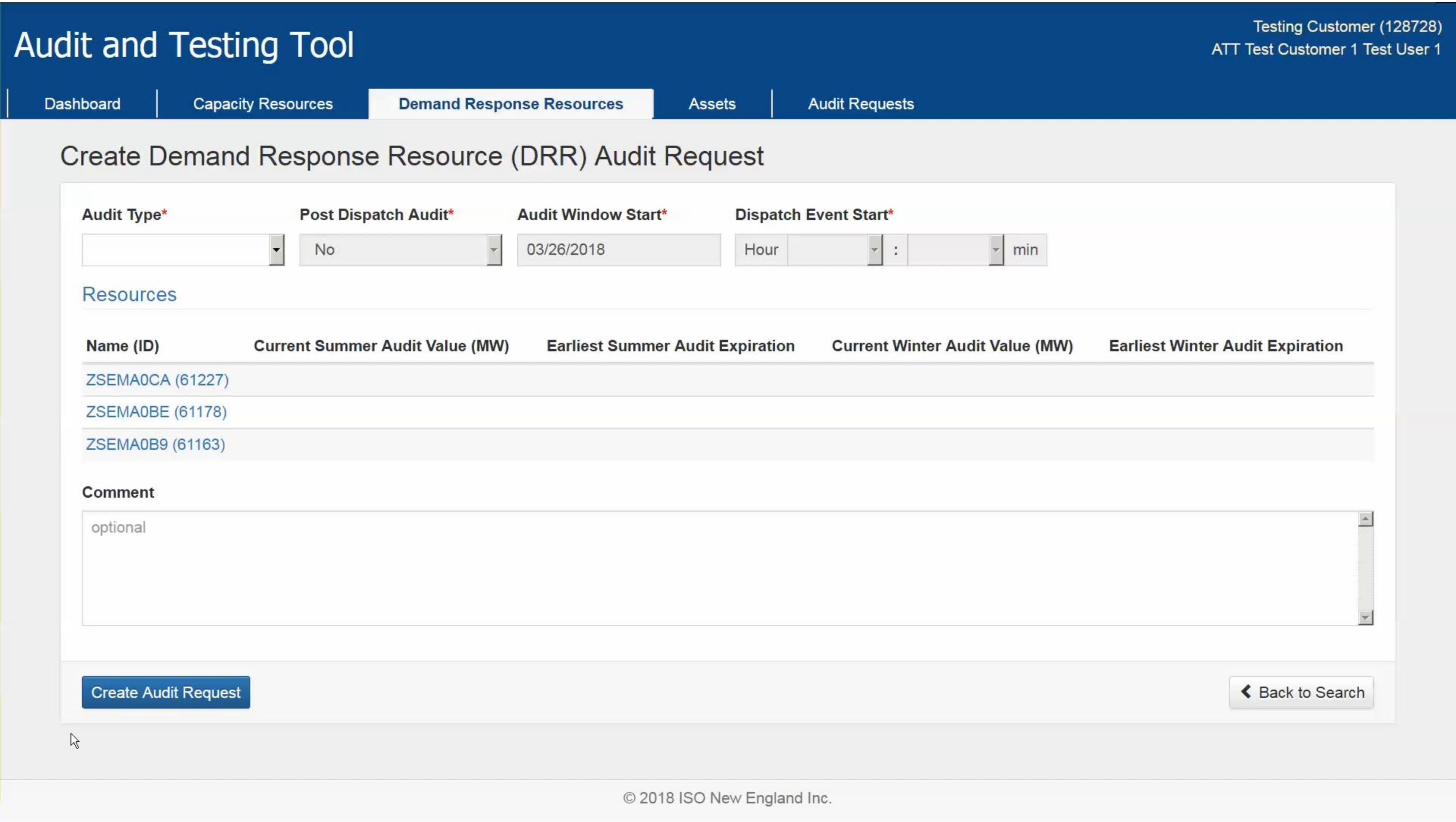
Create Audit Request

Selected DRRs Are Listed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ATT Test Customer 1 Test User 1
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Create Demand Response Resource (DRR) Audit Request

Audit Type*	Post Dispatch Audit*	Audit Window Start*	Dispatch Event Start*
	No	03/26/2018	Hour : min

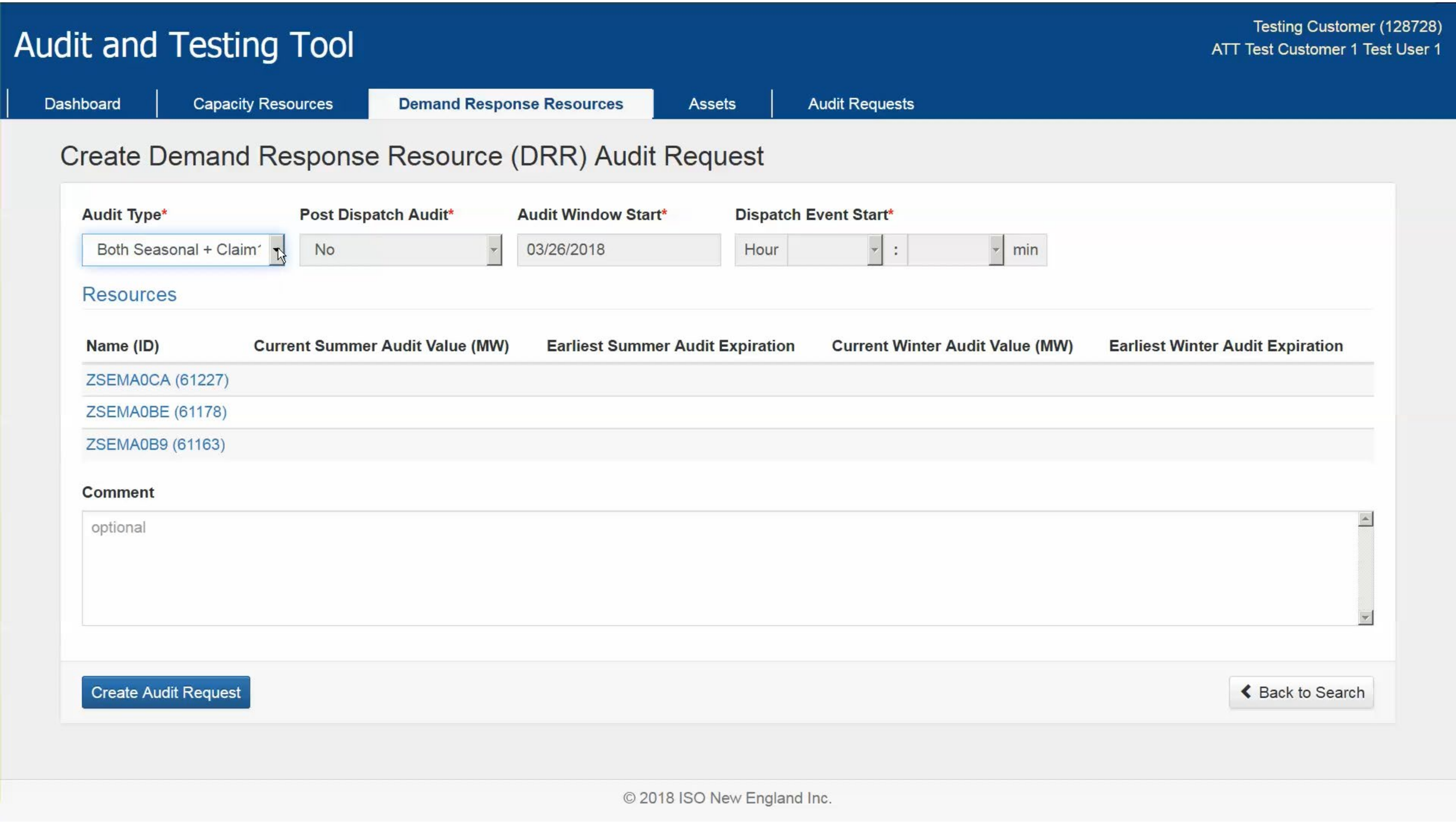
Resources

Name (ID)	Current Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZSEMA0CA (61227)				
ZSEMA0BE (61178)				
ZSEMA0B9 (61163)				

Comment

optional

Enter Audit Type



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Create Demand Response Resource (DRR) Audit Request

Audit Type*: Both Seasonal + Claim'

Post Dispatch Audit*: No

Audit Window Start*: 03/26/2018

Dispatch Event Start*: Hour : min

Resources

Name (ID)	Current Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZSEMA0CA (61227)				
ZSEMA0BE (61178)				
ZSEMA0B9 (61163)				

Comment: optional

Create Audit Request
Back to Search
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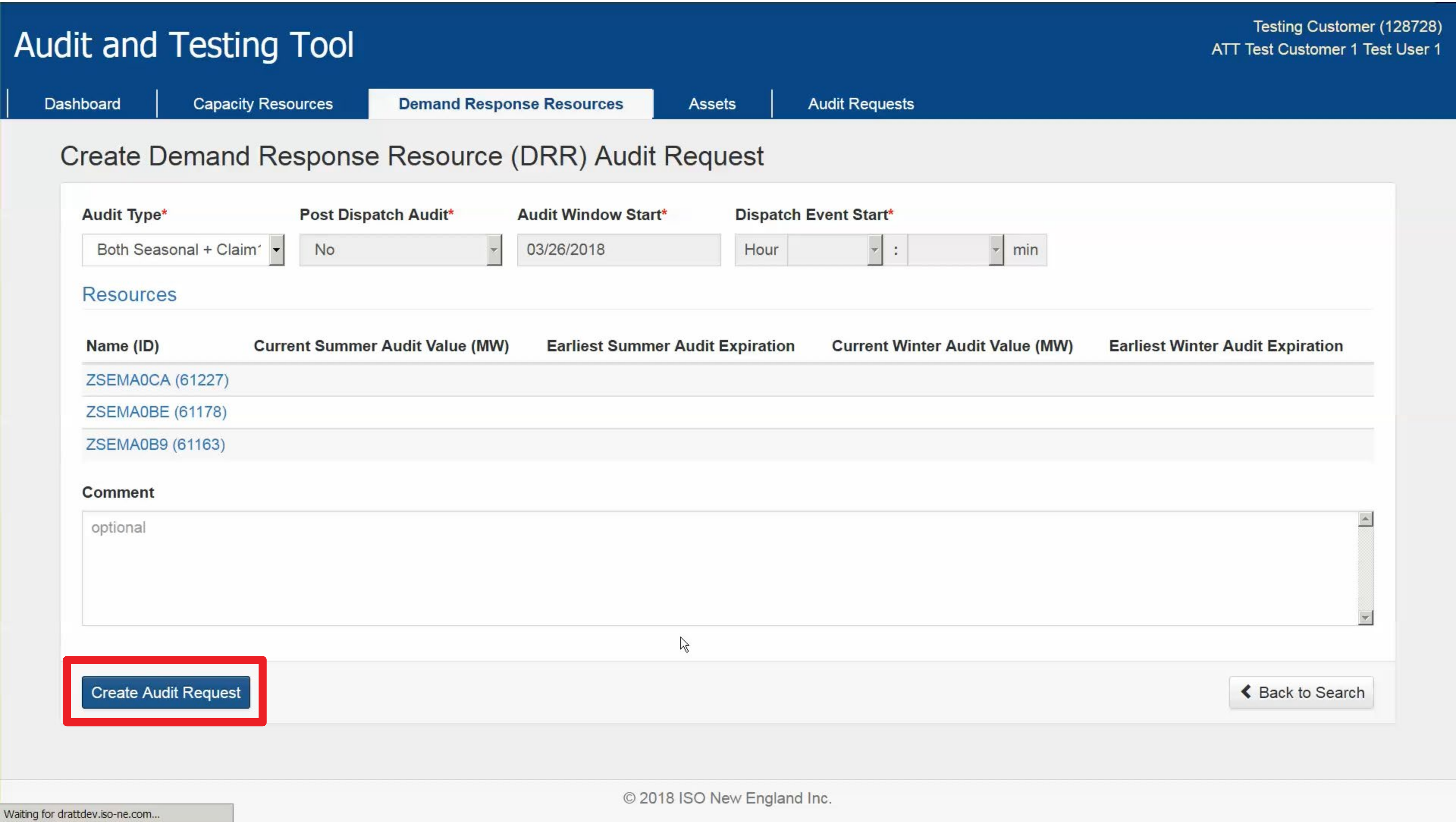
Select the Create Audit Request Button



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Create Demand Response Resource (DRR) Audit Request

Audit Type*: Both Seasonal + Claim'

Post Dispatch Audit*: No

Audit Window Start*: 03/26/2018

Dispatch Event Start*: Hour : min

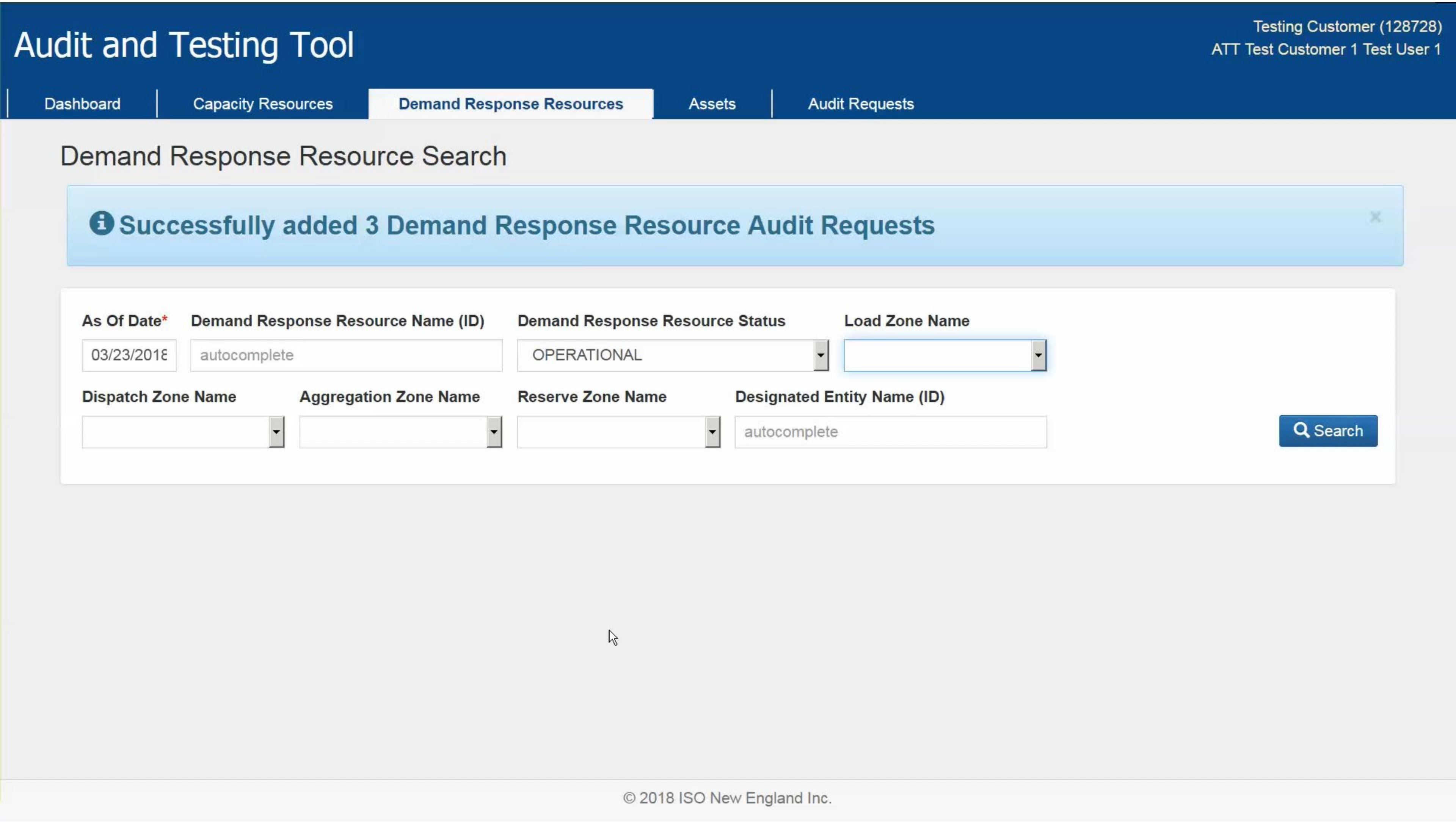
Resources

Name (ID)	Current Summer Audit Value (MW)	Earliest Summer Audit Expiration	Current Winter Audit Value (MW)	Earliest Winter Audit Expiration
ZSEMA0CA (61227)				
ZSEMA0BE (61178)				
ZSEMA0B9 (61163)				

Comment: optional

Create Audit Request
Back to Search
© 2018 ISO New England Inc.
Waiting for drattdev.iso-ne.com...

Success Message



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests
Search

Demand Response Resource Search

Successfully added 3 Demand Response Resource Audit Requests

As Of Date*	Demand Response Resource Name (ID)	Demand Response Resource Status	Load Zone Name
03/23/2018	autocomplete	OPERATIONAL	
Dispatch Zone Name	Aggregation Zone Name	Reserve Zone Name	Designated Entity Name (ID)
			autocomplete

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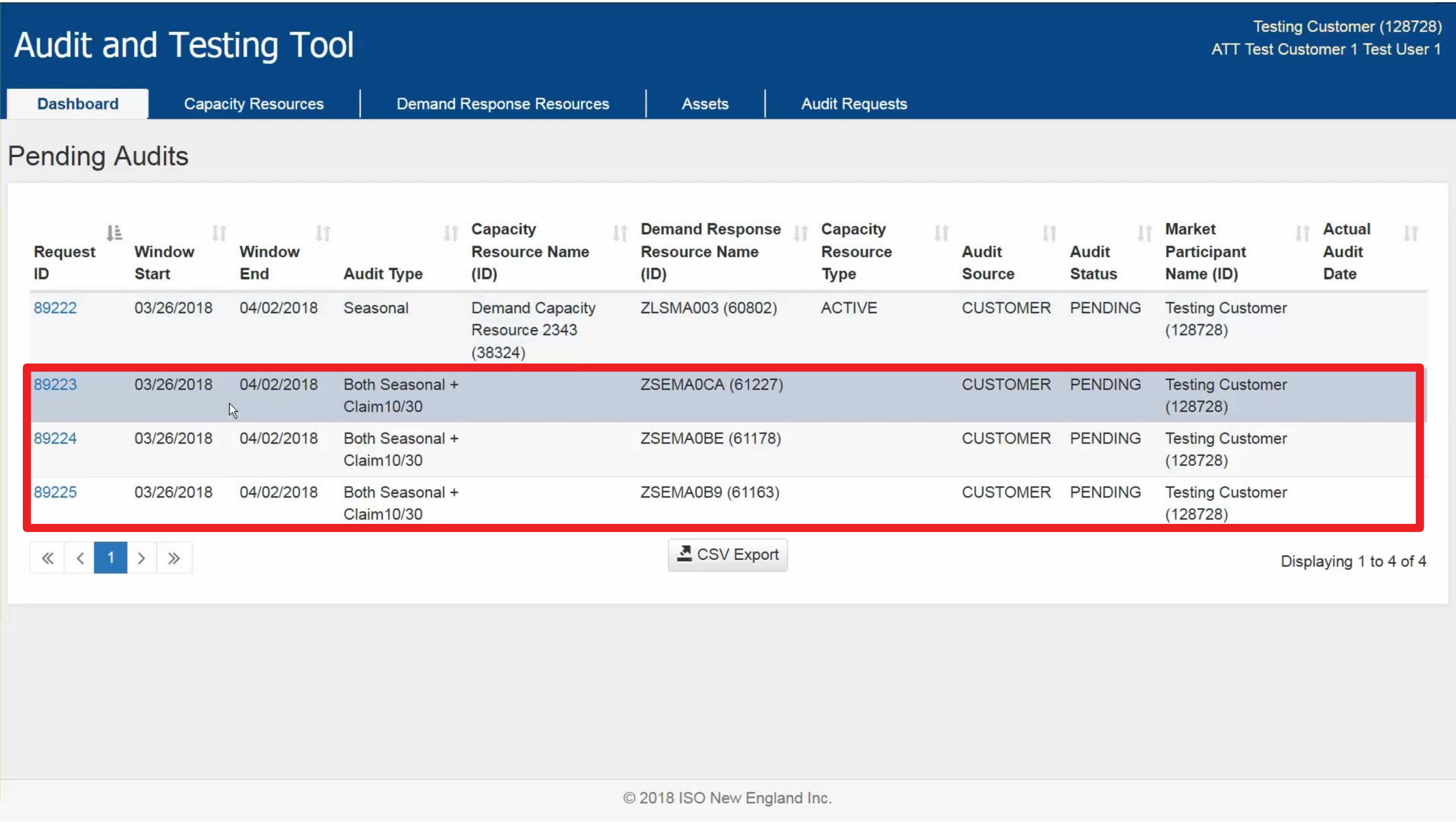
Dashboard Now Includes the New Audit Requests


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Pending Audits

Request ID	Window Start	Window End	Audit Type	Capacity Resource Name (ID)	Demand Response Resource Name (ID)	Capacity Resource Type	Audit Source	Audit Status	Market Participant Name (ID)	Actual Audit Date
89222	03/26/2018	04/02/2018	Seasonal	Demand Capacity Resource 2343 (38324)	ZLSMA003 (60802)	ACTIVE	CUSTOMER	PENDING	Testing Customer (128728)	
89223	03/26/2018	04/02/2018	Both Seasonal + Claim10/30		ZSEMA0CA (61227)		CUSTOMER	PENDING	Testing Customer (128728)	
89224	03/26/2018	04/02/2018	Both Seasonal + Claim10/30		ZSEMA0BE (61178)		CUSTOMER	PENDING	Testing Customer (128728)	
89225	03/26/2018	04/02/2018	Both Seasonal + Claim10/30		ZSEMA0B9 (61163)		CUSTOMER	PENDING	Testing Customer (128728)	

« ‹ 1 › »
CSV Export

Displaying 1 to 4 of 4

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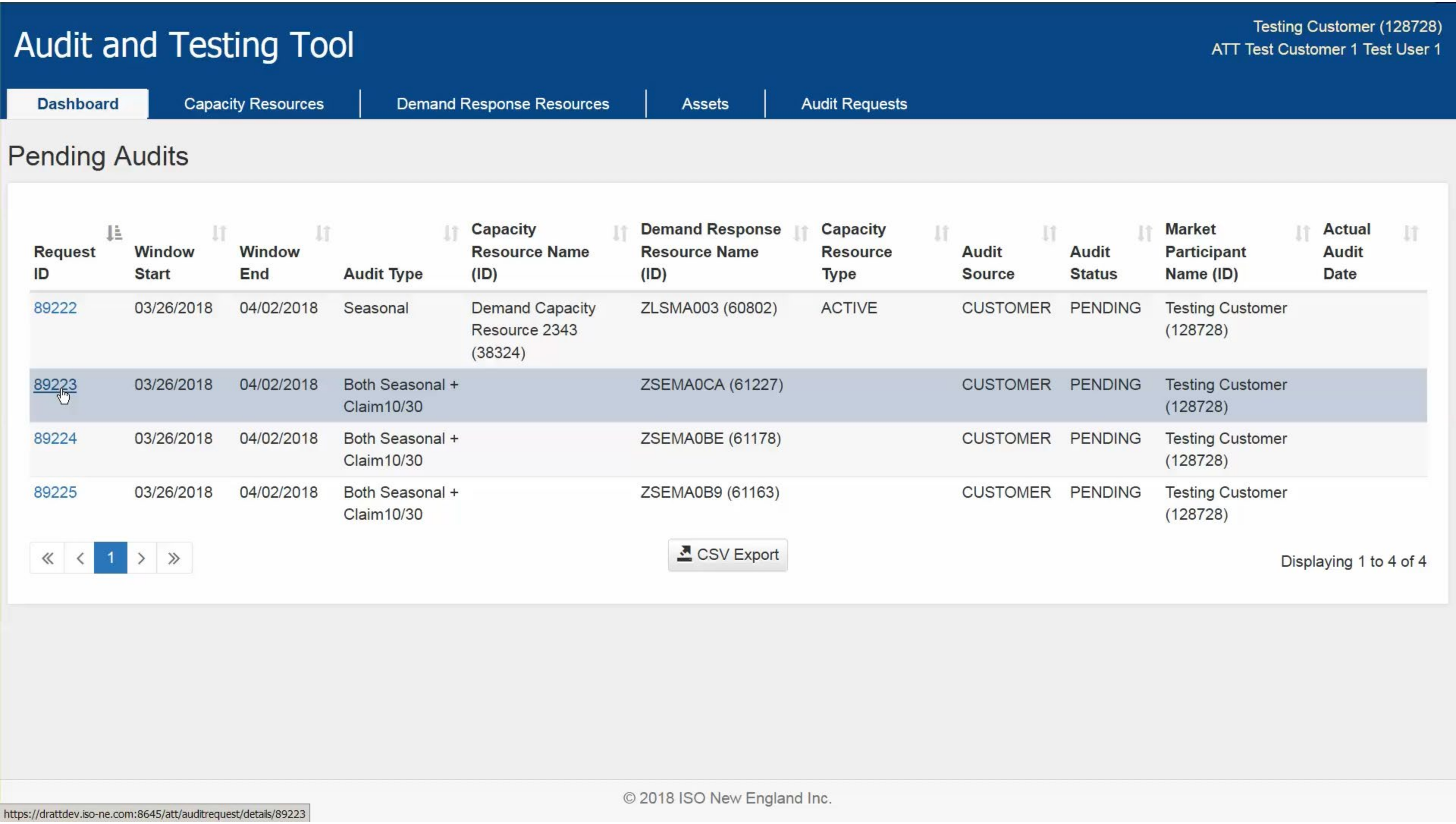
Cancel an Audit

Select the Request ID of the Audit You Wish to Cancel


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Pending Audits

Request ID	Window Start	Window End	Audit Type	Capacity Resource Name (ID)	Demand Response Resource Name (ID)	Capacity Resource Type	Audit Source	Audit Status	Market Participant Name (ID)	Actual Audit Date
89222	03/26/2018	04/02/2018	Seasonal	Demand Capacity Resource 2343 (38324)	ZLSMA003 (60802)	ACTIVE	CUSTOMER	PENDING	Testing Customer (128728)	
89223	03/26/2018	04/02/2018	Both Seasonal + Claim10/30		ZSEMA0CA (61227)		CUSTOMER	PENDING	Testing Customer (128728)	
89224	03/26/2018	04/02/2018	Both Seasonal + Claim10/30		ZSEMA0BE (61178)		CUSTOMER	PENDING	Testing Customer (128728)	
89225	03/26/2018	04/02/2018	Both Seasonal + Claim10/30		ZSEMA0B9 (61163)		CUSTOMER	PENDING	Testing Customer (128728)	

« ‹ 1 › »
CSV Export

Displaying 1 to 4 of 4

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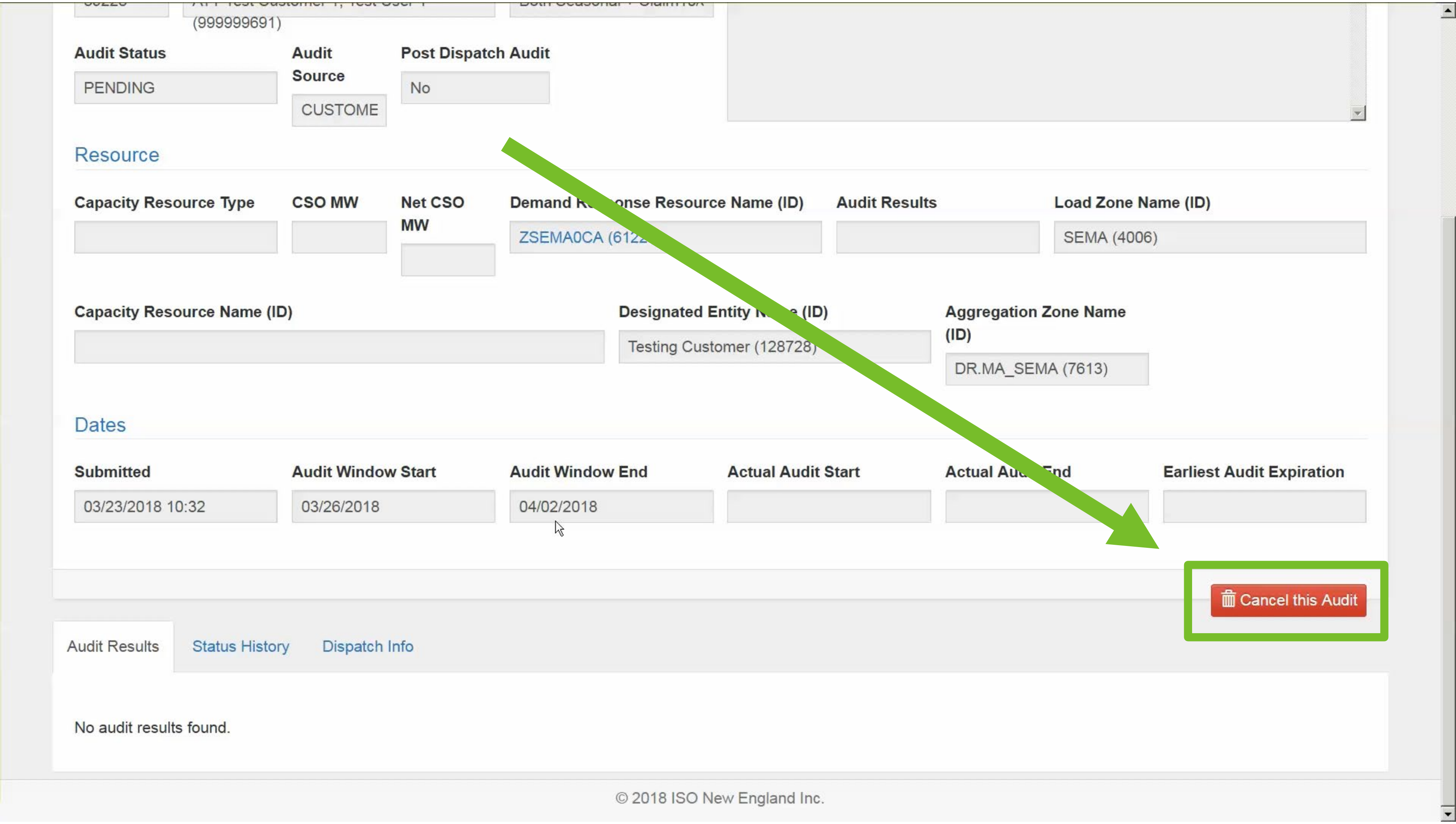
https://drattdev.iso-ne.com:8645/att/auditrequest/details/89223

Select the *Cancel this Audit* Button



(999999691)

Audit Status: PENDING

Audit Source: CUSTOME

Post Dispatch Audit: No

Resource

Capacity Resource Type:

CSO MW:

Net CSO MW:

Demand R… onse Resource Name (ID): ZSEMA0CA (612…

Audit Results:

Load Zone Name (ID): SEMA (4006)

Capacity Resource Name (ID):

Designated Entity N… e (ID): Testing Customer (128728)

Aggregation Zone Name (ID): DR.MA_SEMA (7613)

Dates

Submitted: 03/23/2018 10:32

Audit Window Start: 03/26/2018

Audit Window End: 04/02/2018

Actual Audit Start:

Actual Au… End:

Earliest Audit Expiration:

No audit results found.

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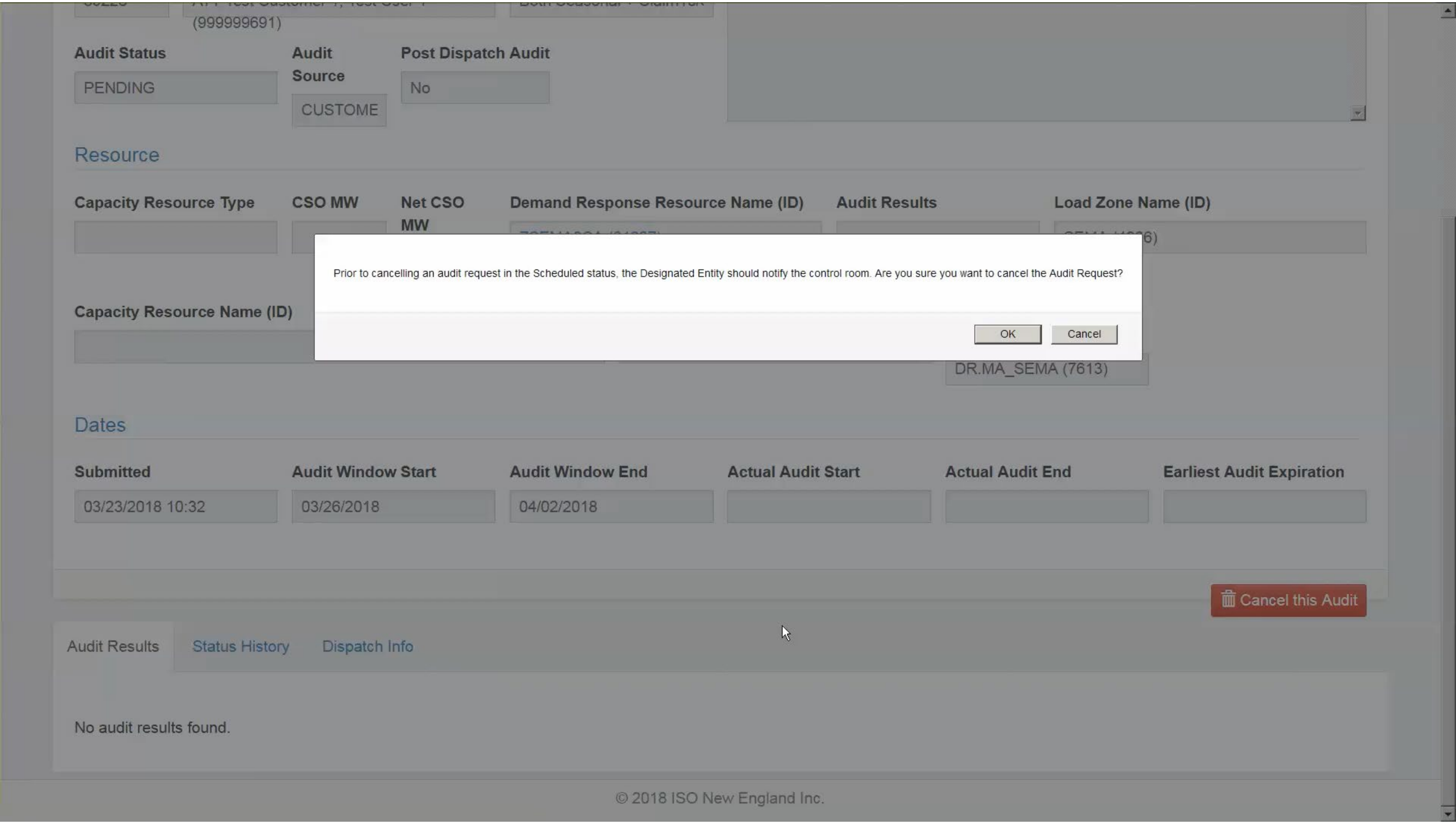
DDE: Notify the ISO Control Room



(999999691)

Audit Status: PENDING

Audit Source: CUSTOME

Post Dispatch Audit: No

Resource

Capacity Resource Type

CSO MW

Net CSO MW

Demand Response Resource Name (ID)

Audit Results

Load Zone Name (ID)

Capacity Resource Name (ID)

DR.MA_SEMA (7613)

Prior to cancelling an audit request in the Scheduled status, the Designated Entity should notify the control room. Are you sure you want to cancel the Audit Request?

Dates

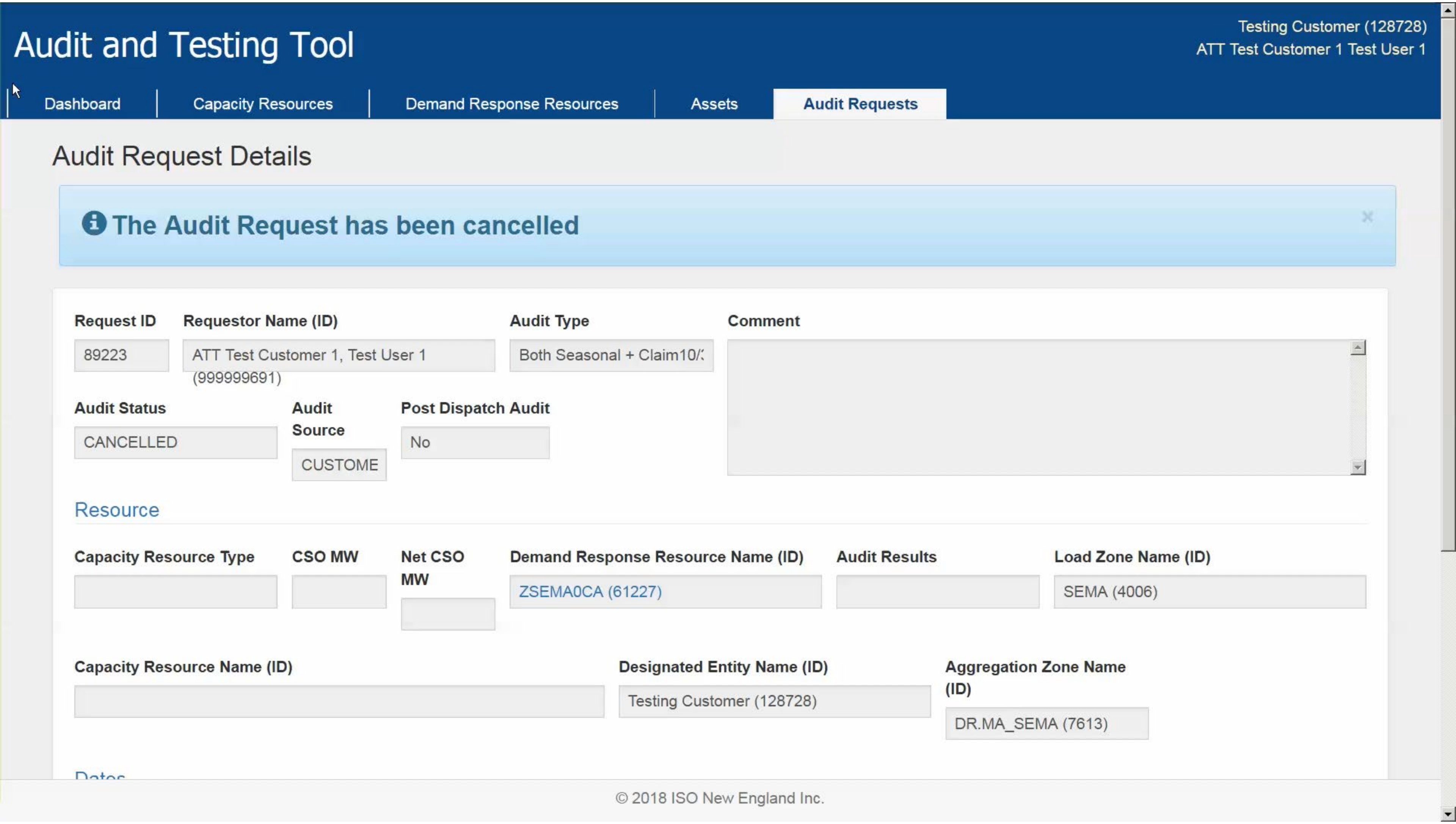
Submitted	Audit Window Start	Audit Window End	Actual Audit Start	Actual Audit End	Earliest Audit Expiration
03/23/2018 10:32	03/26/2018	04/02/2018			

No audit results found.

© 2018 ISO New England Inc.

OK
Cancel
Cancel this Audit
Audit Results
Status History
Dispatch Info

Successful Cancellation


Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Audit Request Details

The Audit Request has been cancelled

Request ID: 89223

Requestor Name (ID): ATT Test Customer 1, Test User 1 (999999691)

Audit Type: Both Seasonal + Claim10/:

Comment:

Audit Status: CANCELLED

Audit Source: CUSTOME

Post Dispatch Audit: No

Resource

Capacity Resource Type:

CSO MW:

Net CSO MW:

Demand Response Resource Name (ID): ZSEMA0CA (61227)

Audit Results:

Load Zone Name (ID): SEMA (4006)

Capacity Resource Name (ID):

Designated Entity Name (ID): Testing Customer (128728)

Aggregation Zone Name (ID): DR.MA_SEMA (7613)

Dates

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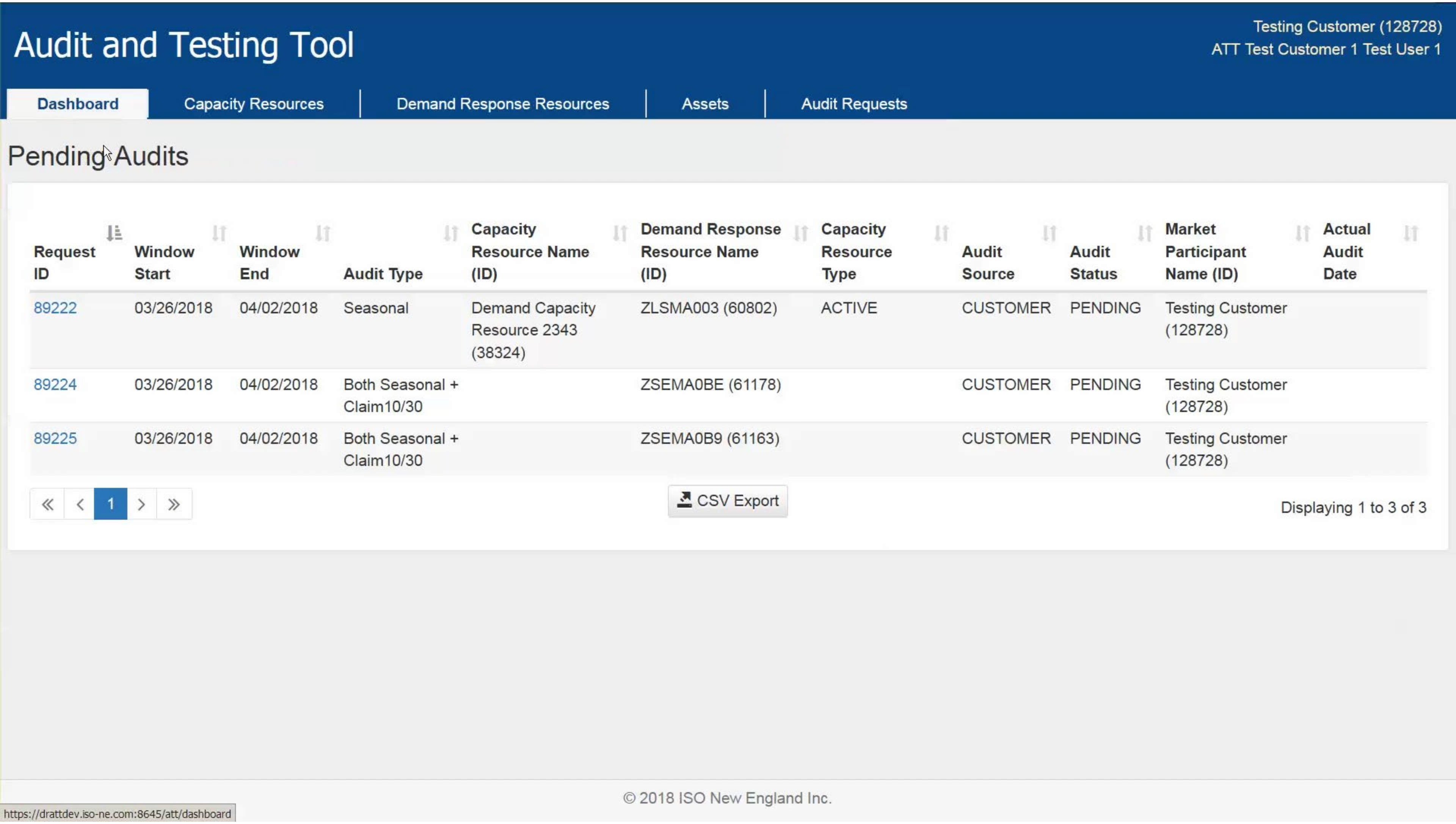
Dashboard Now Reflects the Audit Cancellation



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Pending Audits

Request ID	Window Start	Window End	Audit Type	Capacity Resource Name (ID)	Demand Response Resource Name (ID)	Capacity Resource Type	Audit Source	Audit Status	Market Participant Name (ID)	Actual Audit Date
89222	03/26/2018	04/02/2018	Seasonal	Demand Capacity Resource 2343 (38324)	ZLSMA003 (60802)	ACTIVE	CUSTOMER	PENDING	Testing Customer (128728)	
89224	03/26/2018	04/02/2018	Both Seasonal + Claim10/30		ZSEMA0BE (61178)		CUSTOMER	PENDING	Testing Customer (128728)	
89225	03/26/2018	04/02/2018	Both Seasonal + Claim10/30		ZSEMA0B9 (61163)		CUSTOMER	PENDING	Testing Customer (128728)	

« ‹ 1 › »
CSV Export

Displaying 1 to 3 of 3

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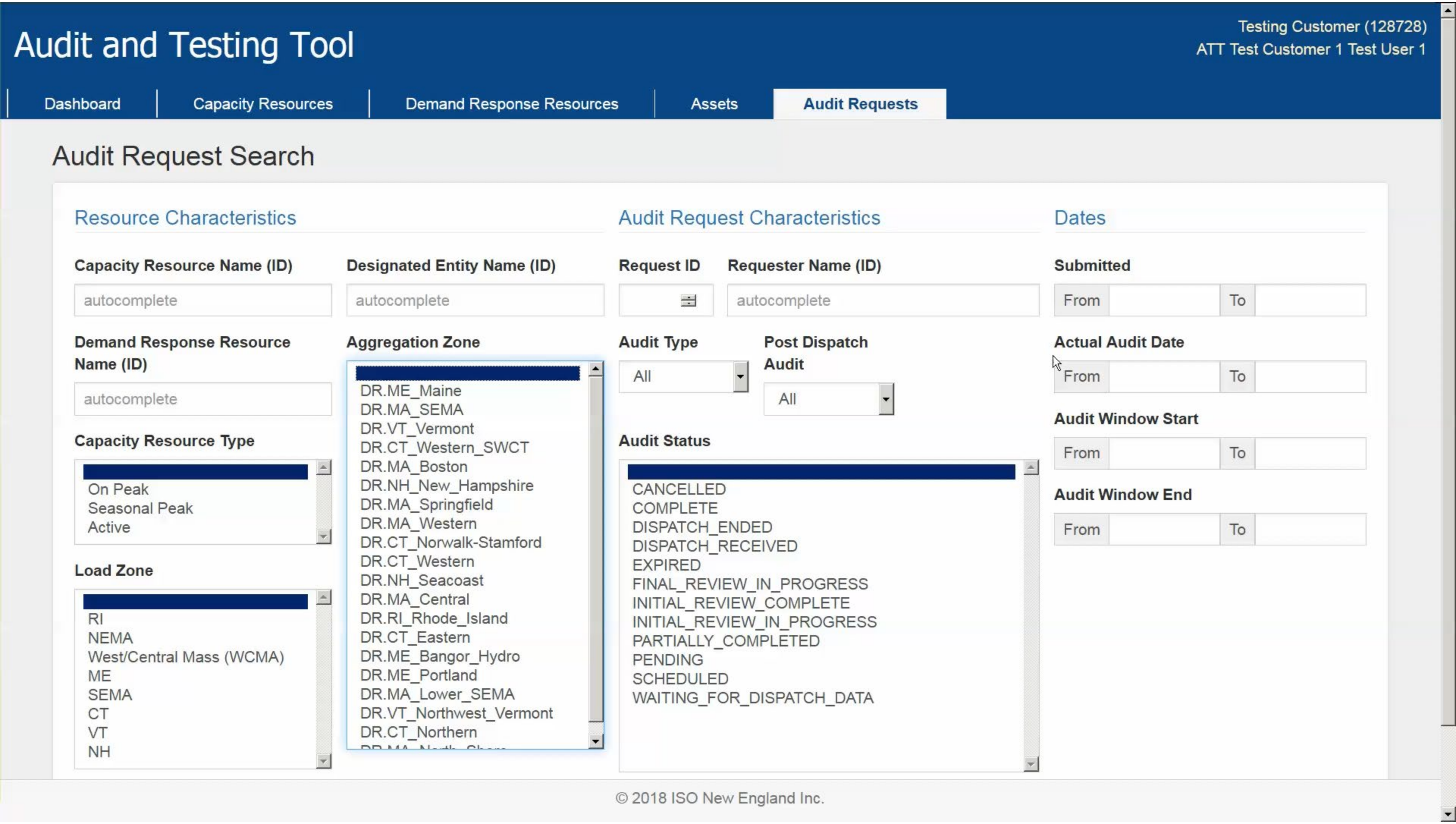
https://drattdev.iso-ne.com:8645/att/dashboard

Audit Requests Tab Allows You to Search For Audits

Enter Search Parameters as Needed



Audit and Testing Tool
Testing Customer (128728)
ATT Test Customer 1 Test User 1
Dashboard
Capacity Resources
Demand Response Resources
Assets
Audit Requests

Audit Request Search

Resource Characteristics

Capacity Resource Name (ID): autocomplete

Designated Entity Name (ID): autocomplete

Demand Response Resource Name (ID): autocomplete

Capacity Resource Type
- On Peak
- Seasonal Peak
- Active

Load Zone
- RI
- NEMA
- West/Central Mass (WCMA)
- ME
- SEMA
- CT
- VT
- NH

Aggregation Zone
- DR.ME_Maine
- DR.MA_SEMA
- DR.VT_Vermont
- DR.CT_Western_SWCT
- DR.MA_Boston
- DR.NH_New_Hampshire
- DR.MA_Springfield
- DR.MA_Western
- DR.CT_Norwalk-Stamford
- DR.CT_Western
- DR.NH_Seacoast
- DR.MA_Central
- DR.RI_Rhode_Island
- DR.CT_Eastern
- DR.ME_Bangor_Hydro
- DR.ME_Portland
- DR.MA_Lower_SEMA
- DR.VT_Northwest_Vermont
- DR.CT_Northern

Audit Request Characteristics

Request ID

Requester Name (ID): autocomplete

Audit Type: All

Post Dispatch Audit: All

Audit Status
- CANCELLED
- COMPLETE
- DISPATCH_ENDED
- DISPATCH_RECEIVED
- EXPIRED
- FINAL_REVIEW_IN_PROGRESS
- INITIAL_REVIEW_COMPLETE
- INITIAL_REVIEW_IN_PROGRESS
- PARTIALLY_COMPLETED
- PENDING
- SCHEDULED
- WAITING_FOR_DISPATCH_DATA

Dates

Submitted: From To

Actual Audit Date: From To

Audit Window Start: From To

Audit Window End: From To

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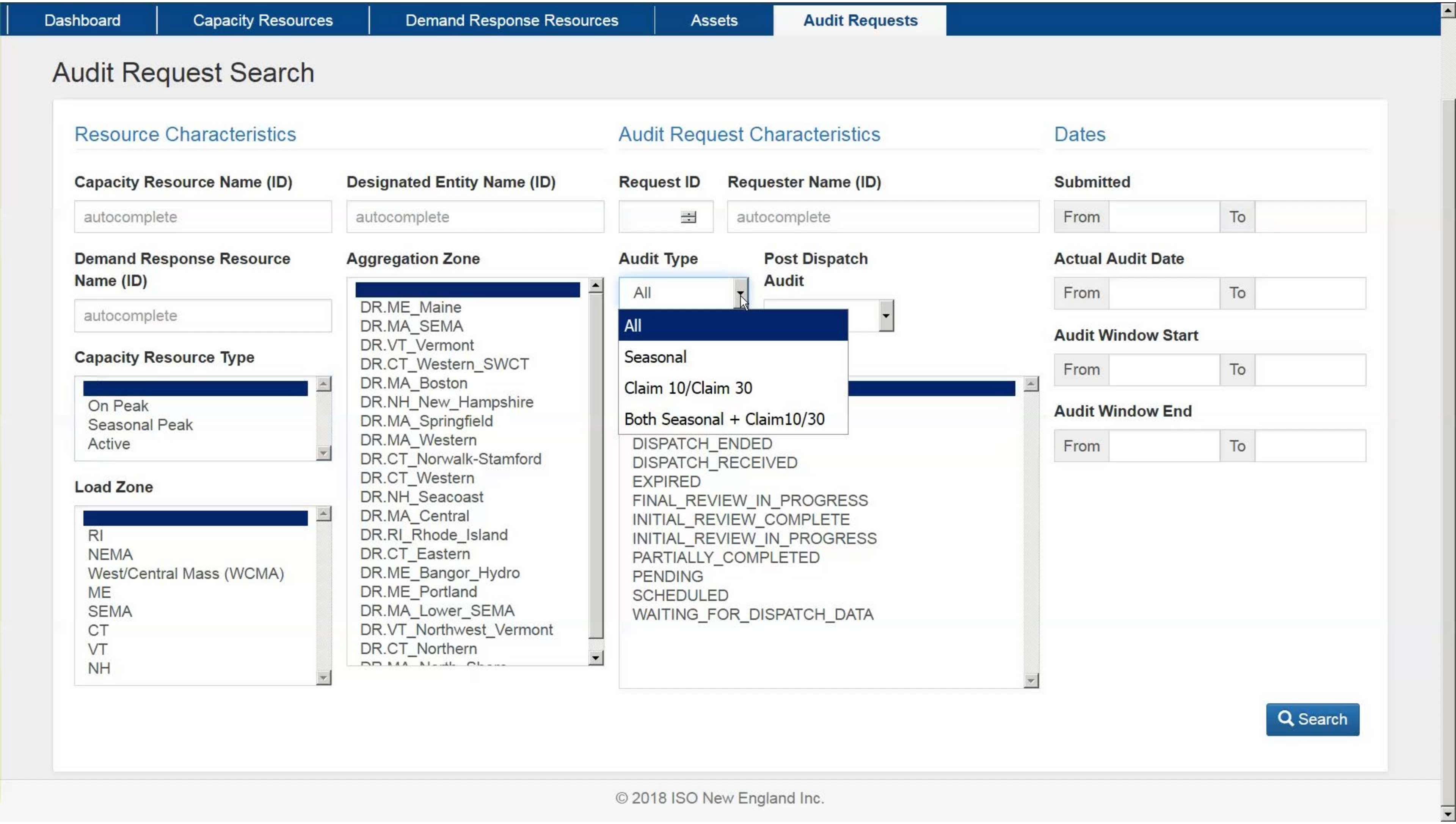
You Can Filter by Audit Type



Audit Request Search

Resource Characteristics

Capacity Resource Name (ID)
autocomplete

Designated Entity Name (ID)
autocomplete

Demand Response Resource Name (ID)
autocomplete

Capacity Resource Type
- On Peak
- Seasonal Peak
- Active

Load Zone
- RI
- NEMA
- West/Central Mass (WCMA)
- ME
- SEMA
- CT
- VT
- NH

Aggregation Zone
- DR.ME_Maine
- DR.MA_SEMA
- DR.VT_Vermont
- DR.CT_Western_SWCT
- DR.MA_Boston
- DR.NH_New_Hampshire
- DR.MA_Springfield
- DR.MA_Western
- DR.CT_Norwalk-Stamford
- DR.CT_Western
- DR.NH_Seacoast
- DR.MA_Central
- DR.RI_Rhode_Island
- DR.CT_Eastern
- DR.ME_Bangor_Hydro
- DR.ME_Portland
- DR.MA_Lower_SEMA
- DR.VT_Northwest_Vermont
- DR.CT_Northern

Audit Request Characteristics

Request ID

Requester Name (ID)
autocomplete

Audit Type
All
- All
- Seasonal
- Claim 10/Claim 30
- Both Seasonal + Claim10/30

Post Dispatch Audit

- DISPATCH_ENDED
- DISPATCH_RECEIVED
- EXPIRED
- FINAL_REVIEW_IN_PROGRESS
- INITIAL_REVIEW_COMPLETE
- INITIAL_REVIEW_IN_PROGRESS
- PARTIALLY_COMPLETED
- PENDING
- SCHEDULED
- WAITING_FOR_DISPATCH_DATA

Dates

Submitted
From To

Actual Audit Date
From To

Audit Window Start
From To

Audit Window End
From To

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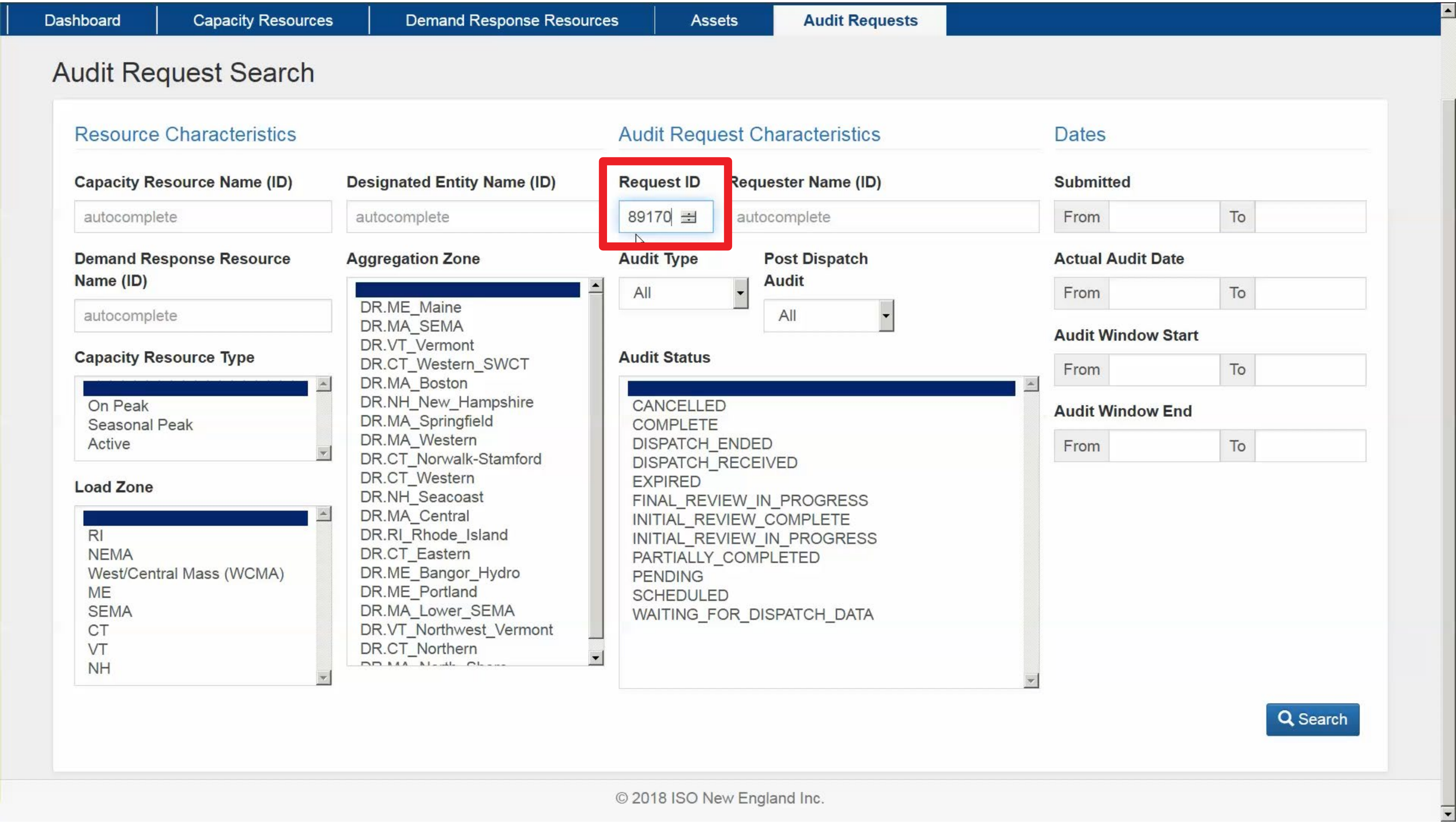
You Can Also Search for a Specific Audit Request ID



Audit Request Search

Resource Characteristics

Capacity Resource Name (ID): autocomplete

Designated Entity Name (ID): autocomplete

Demand Response Resource Name (ID): autocomplete

Aggregation Zone
- DR.ME_Maine
- DR.MA_SEMA
- DR.VT_Vermont
- DR.CT_Western_SWCT
- DR.MA_Boston
- DR.NH_New_Hampshire
- DR.MA_Springfield
- DR.MA_Western
- DR.CT_Norwalk-Stamford
- DR.CT_Western
- DR.NH_Seacoast
- DR.MA_Central
- DR.RI_Rhode_Island
- DR.CT_Eastern
- DR.ME_Bangor_Hydro
- DR.ME_Portland
- DR.MA_Lower_SEMA
- DR.VT_Northwest_Vermont
- DR.CT_Northern

Capacity Resource Type
- On Peak
- Seasonal Peak
- Active

Load Zone
- RI
- NEMA
- West/Central Mass (WCMA)
- ME
- SEMA
- CT
- VT
- NH

Audit Request Characteristics

Request ID: 89170

Requester Name (ID): autocomplete

Audit Type: All

Post Dispatch Audit: All

Audit Status
- CANCELLED
- COMPLETE
- DISPATCH_ENDED
- DISPATCH_RECEIVED
- EXPIRED
- FINAL_REVIEW_IN_PROGRESS
- INITIAL_REVIEW_COMPLETE
- INITIAL_REVIEW_IN_PROGRESS
- PARTIALLY_COMPLETED
- PENDING
- SCHEDULED
- WAITING_FOR_DISPATCH_DATA

Dates

Submitted: From / To

Actual Audit Date: From / To

Audit Window Start: From / To

Audit Window End: From / To

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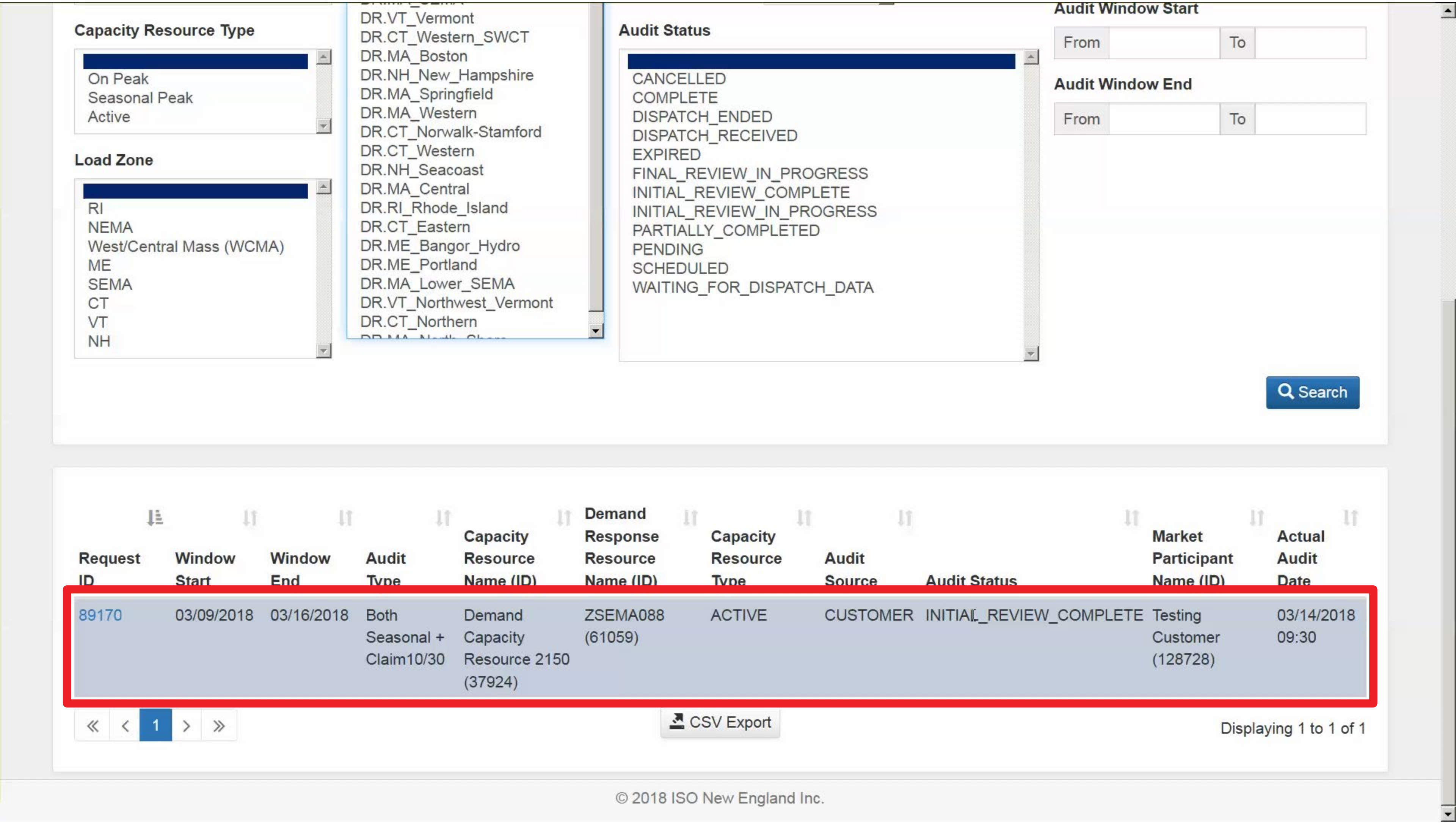
Search Results Appear at the Bottom of the Page



Capacity Resource Type

On Peak
Seasonal Peak
Active

Load Zone

RI
NEMA
West/Central Mass (WCMA)
ME
SEMA
CT
VT
NH

DR.VT_Vermont
DR.CT_Western_SWCT
DR.MA_Boston
DR.NH_New_Hampshire
DR.MA_Springfield
DR.MA_Western
DR.CT_Norwalk-Stamford
DR.CT_Western
DR.NH_Seacoast
DR.MA_Central
DR.RI_Rhode_Island
DR.CT_Eastern
DR.ME_Bangor_Hydro
DR.ME_Portland
DR.MA_Lower_SEMA
DR.VT_Northwest_Vermont
DR.CT_Northern

Audit Status

CANCELLED
COMPLETE
DISPATCH_ENDED
DISPATCH_RECEIVED
EXPIRED
FINAL_REVIEW_IN_PROGRESS
INITIAL_REVIEW_COMPLETE
INITIAL_REVIEW_IN_PROGRESS
PARTIALLY_COMPLETED
PENDING
SCHEDULED
WAITING_FOR_DISPATCH_DATA

Audit Window Start

From To

Audit Window End

From To

Request ID	Window Start	Window End	Audit Type	Capacity Resource Name (ID)	Demand Response Resource Name (ID)	Capacity Resource Type	Audit Source	Audit Status	Market Participant Name (ID)	Actual Audit Date
89170	03/09/2018	03/16/2018	Both Seasonal + Claim10/30	Demand Capacity Resource 2150 (37924)	ZSEMA088 (61059)	ACTIVE	CUSTOMER	INITIAL_REVIEW_COMPLETE	Testing Customer (128728)	03/14/2018 09:30

Displaying 1 to 1 of 1

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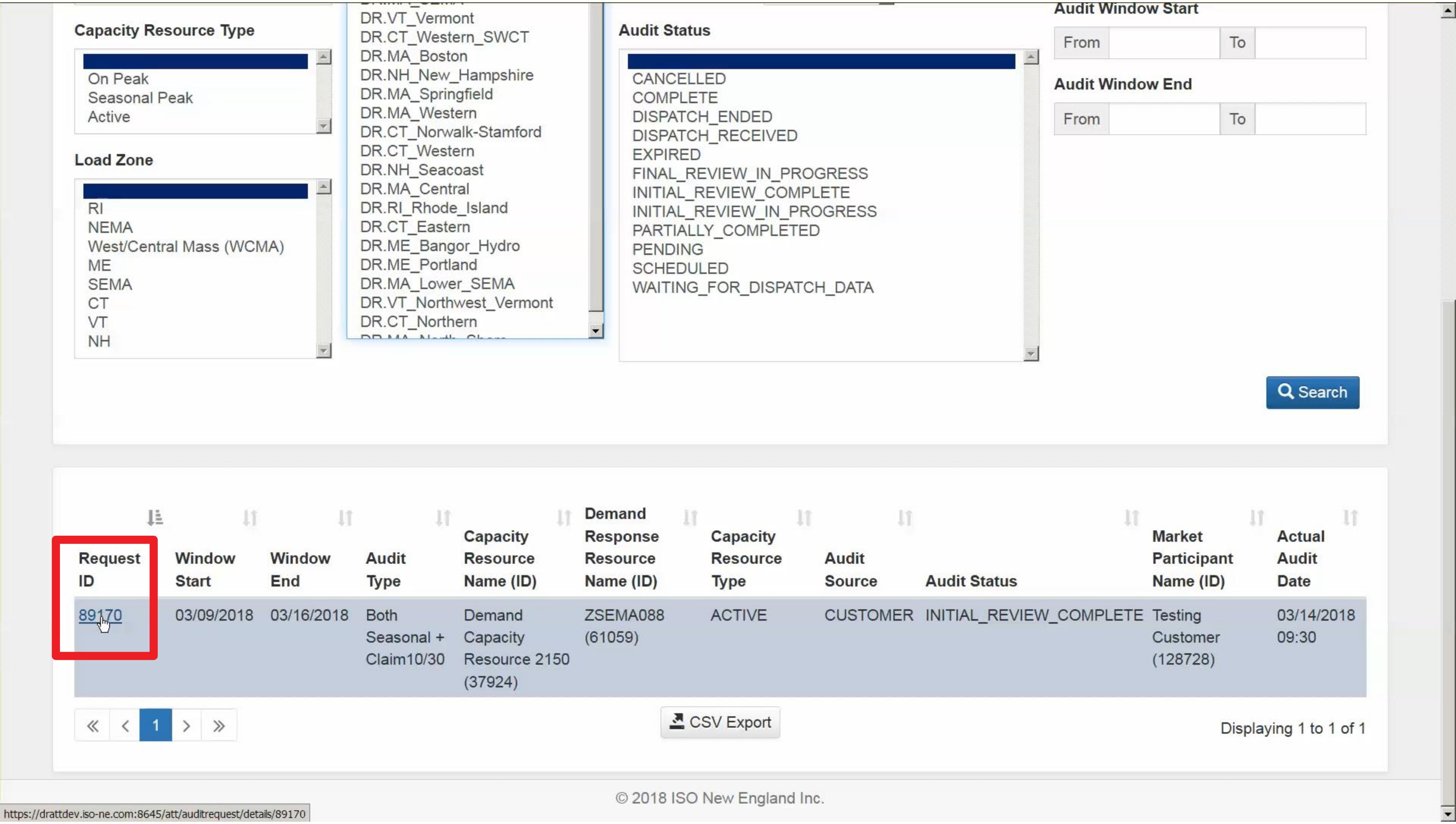
Click on the Request ID for Details


Capacity Resource Type
On Peak
Seasonal Peak
Active
Load Zone
RI
NEMA
West/Central Mass (WCMA)
ME
SEMA
CT
VT
NH
DR.VT_Vermont
DR.CT_Western_SWCT
DR.MA_Boston
DR.NH_New_Hampshire
DR.MA_Springfield
DR.MA_Western
DR.CT_Norwalk-Stamford
DR.CT_Western
DR.NH_Seacoast
DR.MA_Central
DR.RI_Rhode_Island
DR.CT_Eastern
DR.ME_Bangor_Hydro
DR.ME_Portland
DR.MA_Lower_SEMA
DR.VT_Northwest_Vermont
DR.CT_Northern
Audit Status
CANCELLED
COMPLETE
DISPATCH_ENDED
DISPATCH_RECEIVED
EXPIRED
FINAL_REVIEW_IN_PROGRESS
INITIAL_REVIEW_COMPLETE
INITIAL_REVIEW_IN_PROGRESS
PARTIALLY_COMPLETED
PENDING
SCHEDULED
WAITING_FOR_DISPATCH_DATA
Audit Window Start
From
To
Audit Window End
From
To
Search
«
‹
1
›
»
CSV Export

Request ID	Window Start	Window End	Audit Type	Capacity Resource Name (ID)	Demand Response Resource Name (ID)	Capacity Resource Type	Audit Source	Audit Status	Market Participant Name (ID)	Actual Audit Date
89170	03/09/2018	03/16/2018	Both Seasonal + Claim10/30	Demand Capacity Resource 2150 (37924)	ZSEMA088 (61059)	ACTIVE	CUSTOMER	INITIAL_REVIEW_COMPLETE	Testing Customer (128728)	03/14/2018 09:30

Displaying 1 to 1 of 1

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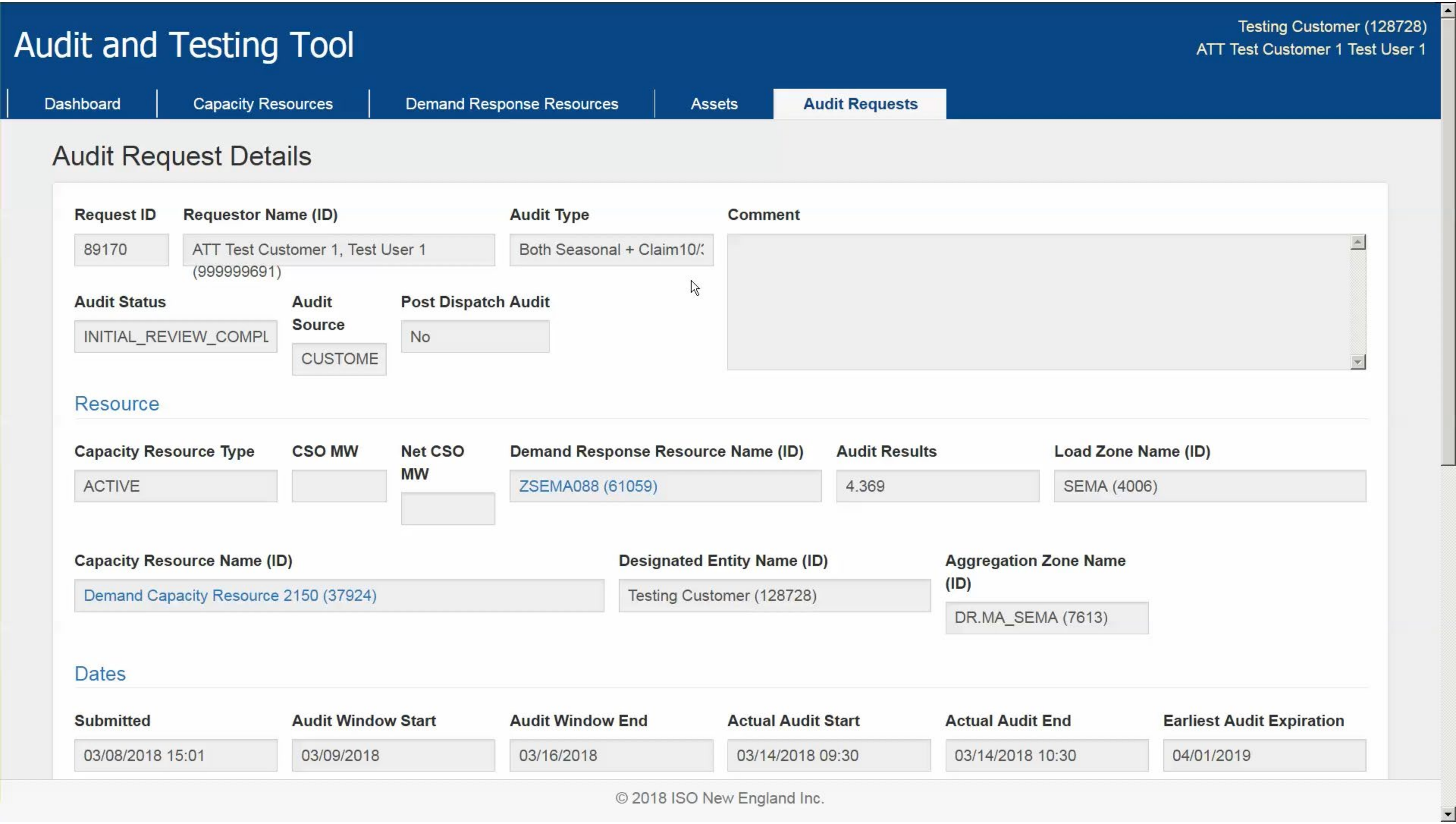
https://drattdev.iso-ne.com:8645/att/auditrequest/details/89170

Audit Request Details



Audit and Testing Tool

Testing Customer (128728)
ATT Test Customer 1 Test User 1

Audit Request Details

Request ID	Requestor Name (ID)	Audit Type	Comment
89170	ATT Test Customer 1, Test User 1 (999999691)	Both Seasonal + Claim10/	

Audit Status	Audit Source	Post Dispatch Audit
INITIAL_REVIEW_COMPL	CUSTOME	No

Resource

Capacity Resource Type	CSO MW	Net CSO MW	Demand Response Resource Name (ID)	Audit Results	Load Zone Name (ID)
ACTIVE			ZSEMA088 (61059)	4.369	SEMA (4006)

Capacity Resource Name (ID)	Designated Entity Name (ID)	Aggregation Zone Name (ID)
Demand Capacity Resource 2150 (37924)	Testing Customer (128728)	DR.MA_SEMA (7613)

Dates

Submitted	Audit Window Start	Audit Window End	Actual Audit Start	Actual Audit End	Earliest Audit Expiration
03/08/2018 15:01	03/09/2018	03/16/2018	03/14/2018 09:30	03/14/2018 10:30	04/01/2019

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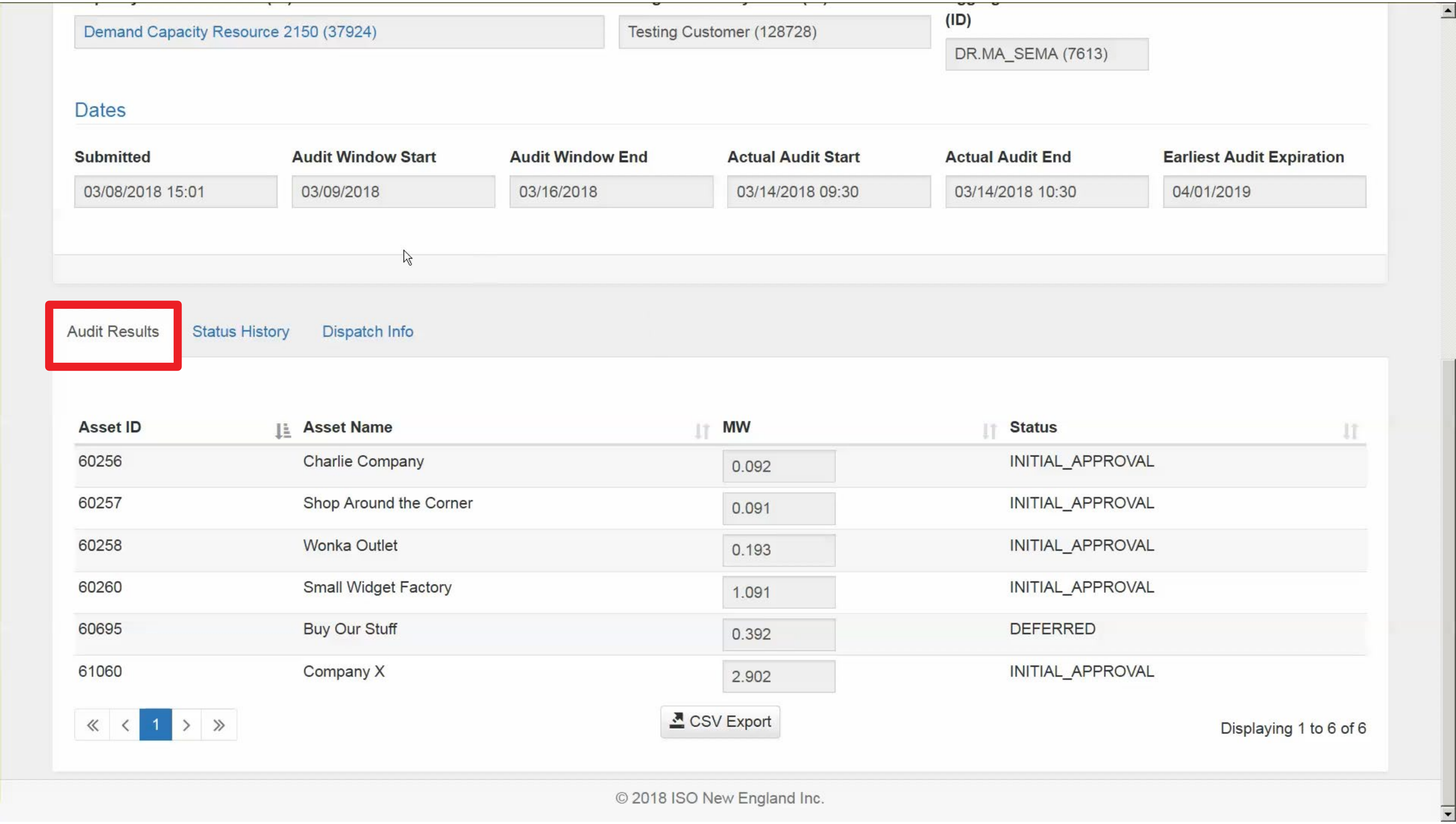
Audit Results



(ID)

Demand Capacity Resource 2150 (37924)

Testing Customer (128728)

DR.MA_SEMA (7613)

Dates

Submitted	Audit Window Start	Audit Window End	Actual Audit Start	Actual Audit End	Earliest Audit Expiration
03/08/2018 15:01	03/09/2018	03/16/2018	03/14/2018 09:30	03/14/2018 10:30	04/01/2019

Asset ID	Asset Name	MW	Status
60256	Charlie Company	0.092	INITIAL_APPROVAL
60257	Shop Around the Corner	0.091	INITIAL_APPROVAL
60258	Wonka Outlet	0.193	INITIAL_APPROVAL
60260	Small Widget Factory	1.091	INITIAL_APPROVAL
60695	Buy Our Stuff	0.392	DEFERRED
61060	Company X	2.902	INITIAL_APPROVAL

Displaying 1 to 6 of 6

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Example 1

Step 2. Calculate Performance Factor

Results from most recent start:

Results from the most recent start:

DDP	48
Target Value	40
Actual Reduction	
Dispatch Performance (Actual Reduction ÷ Target Reduction)	40/48
Weighted Dispatch Performance (Dispatch Performance × Weighting Factor)	8.3

Weighing Factor / Start Number	10	9	8	7	6	5	4	3	2	1
Target Value	48	48	48	48	48	48	48	48	48	
Actual Output	48	48	48	48	48	48	48	48	48	
Dispatch Performance *(Actual Output / Target Output)*	1	1	1	1	1	1	1	1	1	
Weighted Dispatch Performance *(Dispatch Performance x Weighting Factor)*		9	8	7	6	5	4	3	2	1

This becomes the most recent start

This gets removed