

USING PUMP OPTIMIZATION

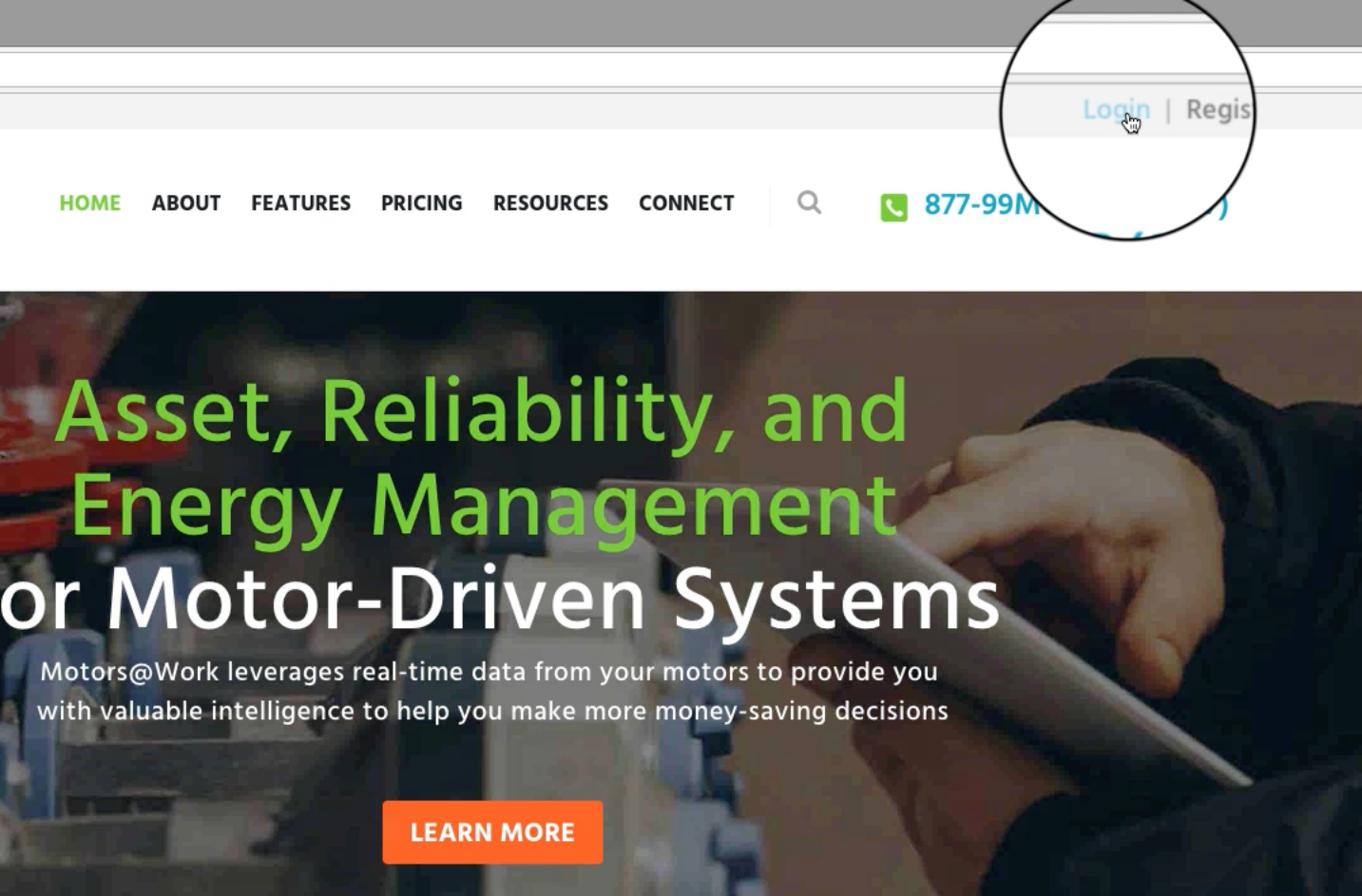
A QUICK-START GUIDE



MOTORS@WORK



LOG INTO MOTORS@WORK



1. Open your browser & go to www.motorsatwork.com
2. Select [Login](#) in the upper right corner of the website

ASSET, RELIABILITY AND ENERGY MANAGEMENT FOR MOTOR-DRIVEN SYSTEMS

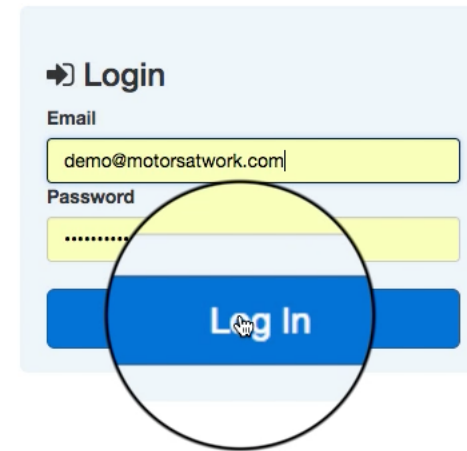


Reliability Management



Energy Management

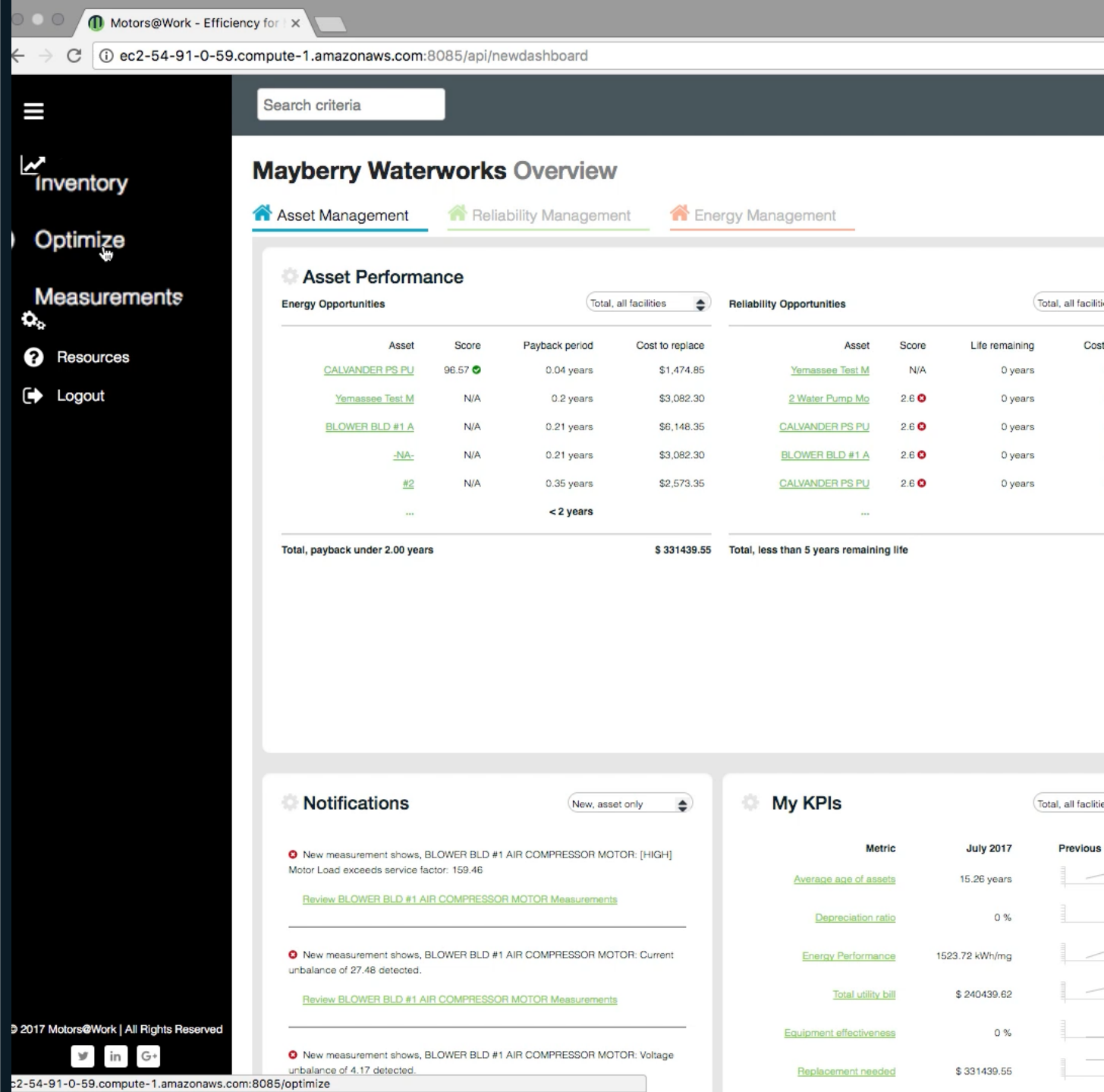
3. Enter your **Email** and **Password** in the appropriate fields
4. Click the **Log In** button

A screenshot of a web application's login interface. It features a light blue background with the heading "Login" and a right-pointing arrow. Below the heading are two input fields: "Email" containing "demo@motorsatwork.com" and "Password" containing a masked password ".....". A blue "Log In" button is positioned below the fields, with a mouse cursor hovering over it. A black circle highlights the "Log In" button.



NAVIGATE TO PUMP OPTIMIZATION

1. Click on the  [Optimize icon] in the navigation bar



The screenshot shows a web browser window displaying the 'Motors@Work - Efficiency for...' application. The URL is 'ec2-54-91-0-59.compute-1.amazonaws.com:8085/api/newdashboard'. The navigation bar on the left includes 'Inventory', 'Optimize' (highlighted with a mouse cursor), 'Measurements', 'Resources', and 'Logout'. The main content area is titled 'Mayberry Waterworks Overview' and features three tabs: 'Asset Management', 'Reliability Management', and 'Energy Management'. The 'Asset Performance' section is active, showing two tables: 'Energy Opportunities' and 'Reliability Opportunities'. The 'Energy Opportunities' table lists assets with their scores, payback periods, and costs to replace. The 'Reliability Opportunities' table lists assets with their scores and remaining life. Below these tables are summary statistics: 'Total, payback under 2.00 years' for \$331,439.55 and 'Total, less than 5 years remaining life'. The 'Notifications' section shows three alerts regarding motor load and voltage unbalance for 'BLOWER BLD #1 AIR COMPRESSOR MOTOR'. The 'My KPIs' section displays various metrics for July 2017, including average age of assets, depreciation ratio, energy performance, total utility bill, equipment effectiveness, and replacement needed.

Asset Performance

Energy Opportunities (Total, all facilities)

Asset	Score	Payback period	Cost to replace
CALVANDER PS PU	96.57	0.04 years	\$1,474.85
Yemassee Test M	N/A	0.2 years	\$3,082.30
BLOWER BLD #1 A	N/A	0.21 years	\$6,148.35
-NA-	N/A	0.21 years	\$3,082.30
#2	N/A	0.35 years	\$2,573.35
...		< 2 years	

Reliability Opportunities (Total, all facilities)

Asset	Score	Life remaining	Cost
Yemassee Test M	N/A	0 years	
2 Water Pump Mo	2.6	0 years	
CALVANDER PS PU	2.6	0 years	
BLOWER BLD #1 A	2.6	0 years	
CALVANDER PS PU	2.6	0 years	
...			

Summary:
 Total, payback under 2.00 years: \$ 331439.55
 Total, less than 5 years remaining life: \$ 331439.55


Notifications (New, asset only)

- New measurement shows, BLOWER BLD #1 AIR COMPRESSOR MOTOR: [HIGH] Motor Load exceeds service factor: 159.46
[Review BLOWER BLD #1 AIR COMPRESSOR MOTOR Measurements](#)
- New measurement shows, BLOWER BLD #1 AIR COMPRESSOR MOTOR: Current unbalance of 27.48 detected.
[Review BLOWER BLD #1 AIR COMPRESSOR MOTOR Measurements](#)
- New measurement shows, BLOWER BLD #1 AIR COMPRESSOR MOTOR: Voltage unbalance of 4.17 detected.


My KPIs (Total, all facilities)

Metric	July 2017	Previous
Average age of assets	15.26 years	
Depreciation ratio	0 %	
Energy Performance	1523.72 kWh/mg	
Total utility bill	\$ 240439.62	
Equipment effectiveness	0 %	
Replacement needed	\$ 331439.55	


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Explore motor catalog




Evaluate motor decisions




Optimize pump processes




Rank pump system performance



Rank pump system energy loss



Review motor alerts



Analyze measurements

2. Select the **Optimize Pump Processes** application from the list of available tools

TIP

Before using [Pump Optimization](#), verify that

1. all pumps have been associated with this process;
2. all pumps have been associated with their respective motor; and
3. all motors and pumps associated with this process have at least one measurement




Motors@Work - Efficiency for ...

ec2-54-91-0-59.compute-1.amazonaws.com:8085/pumpoptimize

Search criteria

Processes

	Name	Facility	Department
	Calvander BPS	OWASA Booster Pump Station	Operations
	Lowell Ave Plant	Lowell Well & WTP	
	Raw Water	Water Plant	
	Raw Water Daily	Water Plant	
	Raw Water Supply	OWASA Raw Water Supply	Intake

3. Select the name of the process you'd like to optimize, then click the  [Optimize icon] in the grid to the left of that process's name

4. If you've previously loaded historical pump and weather data for this process, Motors@Work will forecast daily demand and optimize your pump schedule.

Motors@Work - Efficiency for X

ec2-54-91-0-59.compute-1.amazonaws.com:8085/pump_optimization/c80e9f77-ad18-424a-b2c5-a6cf8b1d0689/scenario/a250a6db-c65e-400f

Search criteria

Optimize Select Process

Pump Schedule - Raw Water (Default scenario)

Export to PDF

Today Sunday, August 06, 2017

	August 06																	
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5
Raw Water Pump 1	[Yellow bar]																	
Raw Water Pump 2	[Purple bar]																	
Raw Water Pump 3																		

Double click a time range to enter base load and demand. Double click the demand to edit.

Add Daily Demand

Today Sunday, August 06, 2017

	August 06																	
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5
Demand	26.1892																	

Demand not met.
Selected Date: Sunday August 6, 2017
Production Units Demand Rate: MGD

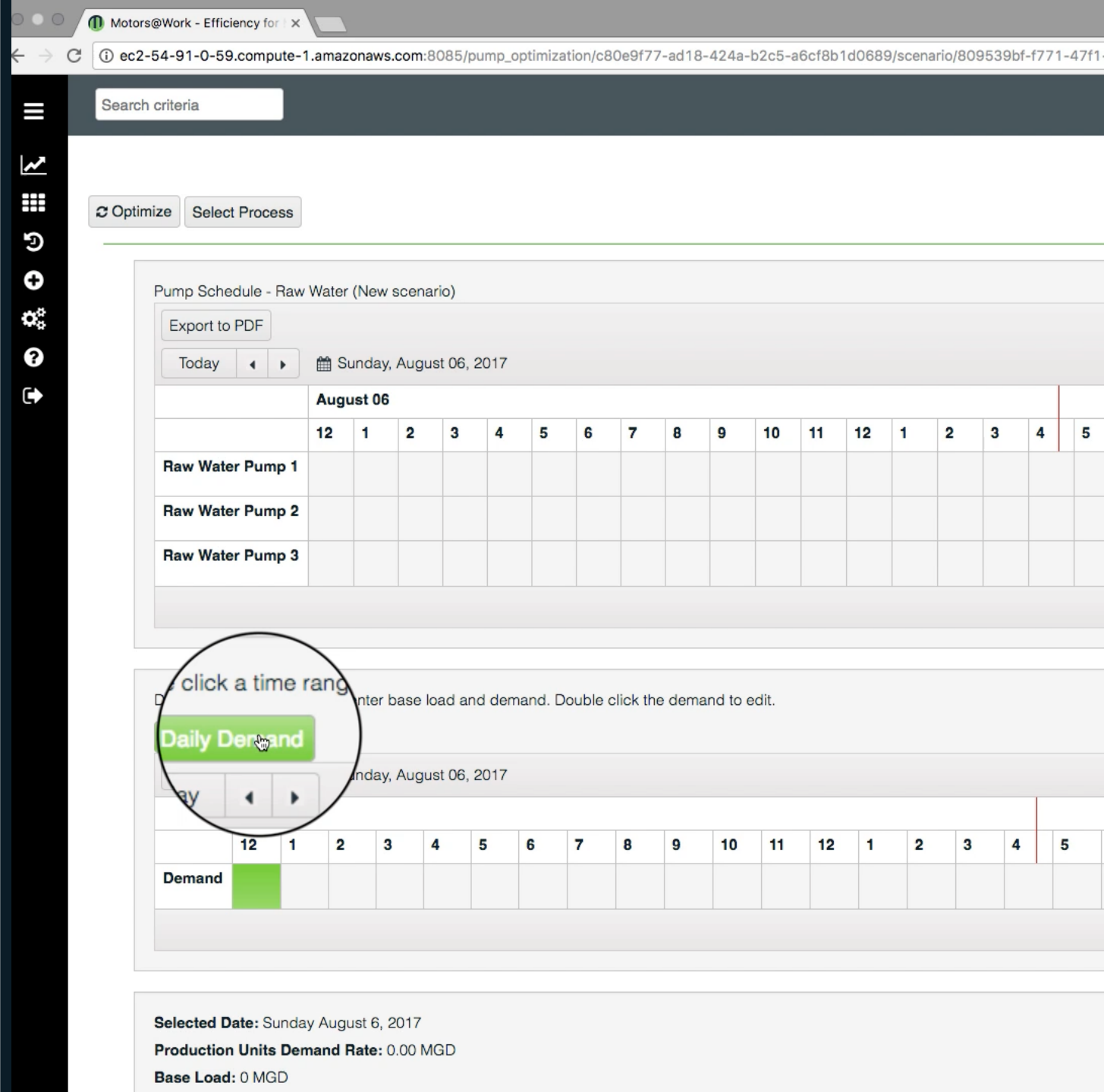


ADD DAILY DEMAND

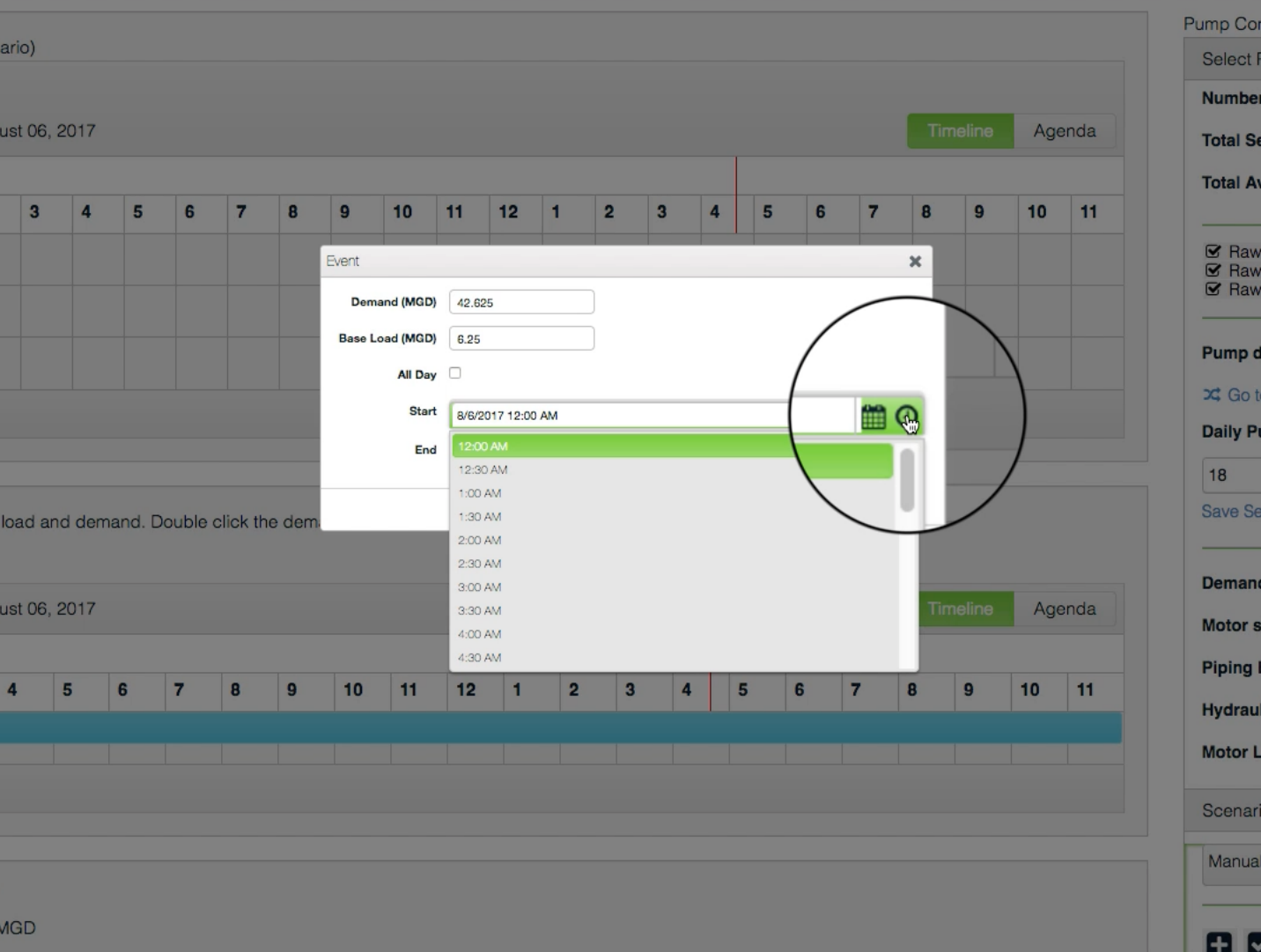
TIP

Only follow the steps in the **ADD DAILY DEMAND** section if no forecast demand exists; if a forecast demand exists, follow the steps from the **EDIT DAILY DEMAND** section

1. Click the **Add Daily Demand** button



The screenshot shows the Motors@Work web application interface. At the top, there is a search bar labeled "Search criteria". Below it are two buttons: "Optimize" and "Select Process". The main content area is titled "Pump Schedule - Raw Water (New scenario)". It includes an "Export to PDF" button and a date selector set to "Sunday, August 06, 2017". A table displays the schedule for "August 06" with columns for hours 12, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 1, 2, 3, 4, 5. The rows are labeled "Raw Water Pump 1", "Raw Water Pump 2", and "Raw Water Pump 3". Below this, a section titled "click a time range" contains a "Daily Demand" button, which is circled in red. A tooltip above the button says "click a time range". Below the button is another date selector and a similar table with a "Demand" row. The bottom of the interface shows summary information: "Selected Date: Sunday August 6, 2017", "Production Units Demand Rate: 0.00 MGD", and "Base Load: 0 MGD".



The screenshot shows a software interface with a calendar grid. An 'Event' dialog box is open, allowing users to configure an event. The dialog includes the following fields and options:

- Demand (MGD):** 42.625
- Base Load (MGD):** 6.25
- All Day:**
- Start:** 8/6/2017 12:00 AM
- End:** 12:00 AM
- Time Selection List:**
 - 12:00 AM
 - 12:30 AM
 - 1:00 AM
 - 1:30 AM
 - 2:00 AM
 - 2:30 AM
 - 3:00 AM
 - 3:30 AM
 - 4:00 AM
 - 4:30 AM

A circular callout highlights the time selection interface, specifically the 'Start' and 'End' time pickers and the list of time slots.

2. Enter total daily demand (pumpage) in the **Demand** field; enter any continuous flow requirements under **Baseload**

3. If this demand must be fulfilled in a set window, uncheck the **All Day** box & set the window's **Start** and **End** dates and times

4. Click Save

8085/pump_optimization/c80e9f77-ad18-424a-b2c5-a6cf8b1d0689/scenario/809539bf-f771-47f1-8d27-4d5c8c5db821

ario)

ust 06, 2017

Timeline Agenda

3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11

Event ✕

Demand (MGD)

Base Load (MGD)

All Day

Start

End

load and demand. Double click the dem

ust 06, 2017

Timeline Agenda

4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11

MGD

f77-ad18-424a-b2c5-a6cf8b1d0689/scenario/809539bf-f771-47f1-8d27-4d5c8c5db821#

Motors@Work - Efficiency for ...

ec2-54-91-0-59.compute-1.amazonaws.com:8085/pump_optimization/c80e9f77-ad18-424a-b2c5-a6cf8b1d0689/scenario/809539bf-f771-47f...

Search criteria

Click Optimize to refresh the schedule. ✕

Optimize Select Process

Pump Schedule - Raw Water (New scenario)

Export to PDF

Today Sunday, August 06, 2017

August 06																		
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5
Raw Water Pump 1																		
Raw Water Pump 2																		
Raw Water Pump 3																		

Double click a time range to enter base load and demand. Double click the demand to edit.

Add Daily Demand

Today Sunday, August 06, 2017

August 06																		
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5
Demand	42.625																	

Selected Date: Sunday August 6, 2017

Production Units Demand Rate: 0.00 MGD

5. Click the **Optimize** button in the upper left corner to create your recommended pump schedule

TIP

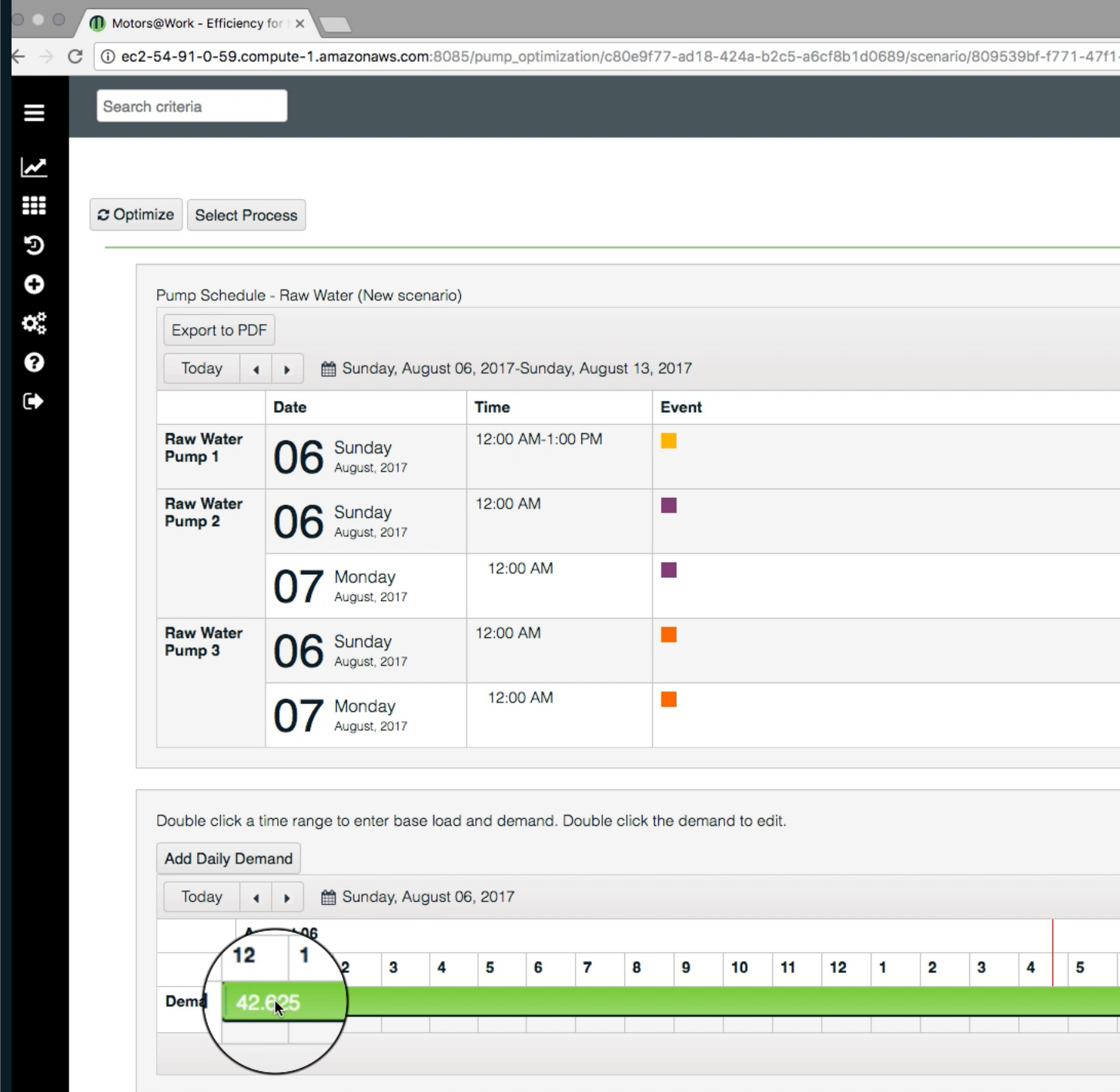
To view your pump schedule as a series of pump start and stop events, click [Agenda](#); to share your pump optimization recommendation, click [Export to PDF](#)





EDIT DAILY DEMAND

1. Double click on the number in the Demand Forecast bar



The screenshot shows the Motors@Work web interface. At the top, there is a search bar and navigation icons. Below that, there are buttons for 'Optimize' and 'Select Process'. The main content area is titled 'Pump Schedule - Raw Water (New scenario)'. It includes an 'Export to PDF' button and a date range selector set to 'Sunday, August 06, 2017-Sunday, August 13, 2017'. A table displays the pump schedule with columns for 'Date', 'Time', and 'Event'. Below the table, there is a section for 'Add Daily Demand' with a date selector set to 'Sunday, August 06, 2017'. A demand forecast bar is shown with a grid of time slots. The value '42.625' is highlighted in a green bar, and a red circle is drawn around it, indicating the instruction to double-click on this number.

	Date	Time	Event
Raw Water Pump 1	06 Sunday August, 2017	12:00 AM-1:00 PM	■
Raw Water Pump 2	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■
Raw Water Pump 3	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■

Double click a time range to enter base load and demand. Double click the demand to edit.

Add Daily Demand

Today Sunday, August 06, 2017

	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5
Demand	42.625																	

ario)

ust 06, 2017-Sunday, August 13, 2017

Timeline **Agenda**


Time	Event
12:00 AM-1:00 PM	■
12:00 AM	■
12:00 AM	■
12:00 AM	■
12:00 AM	■


Event

Demand (MGD)

Base Load (MGD)

All Day

Start 

End 

load and demand. Double click the demand to edit.



ust 06, 2017

Timeline **Agenda**

4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11
■																			

Scenario

Manual

2. Modify the total daily demand (pumpage) in the **Demand** field; and/or any continuous flow requirements under **Baseload**
3. If this demand must be fulfilled in a set window, uncheck the **All Day** box & set the window's **Start** and **End** dates and times
4. Click **Save**

Motors@Work - Efficiency for ...

ec2-54-91-0-59.compute-1.amazonaws.com:8085/pump_optimization/c80e9f77-ad18-424a-b2c5-a6cf8b1d0689/scenario/809539bf-f771-47f...

Search criteria

Click Optimize to refresh the schedule. ✕

Optimize Select Process

Pump Schedule - Raw Water (New scenario)

Export to PDF

Today Sunday, August 06, 2017-Sunday, August 13, 2017

	Date	Time	Event
Raw Water Pump 1	06 Sunday August, 2017	12:00 AM-1:00 PM	■
Raw Water Pump 2	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■
Raw Water Pump 3	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■

Double click a time range to enter base load and demand. Double click the demand to edit.

Add Daily Demand

Today Sunday, August 06, 2017

August 06	
	12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5
Demand	45.5

- Click the **Optimize** button in the upper left corner to create your recommended pump schedule

TIP

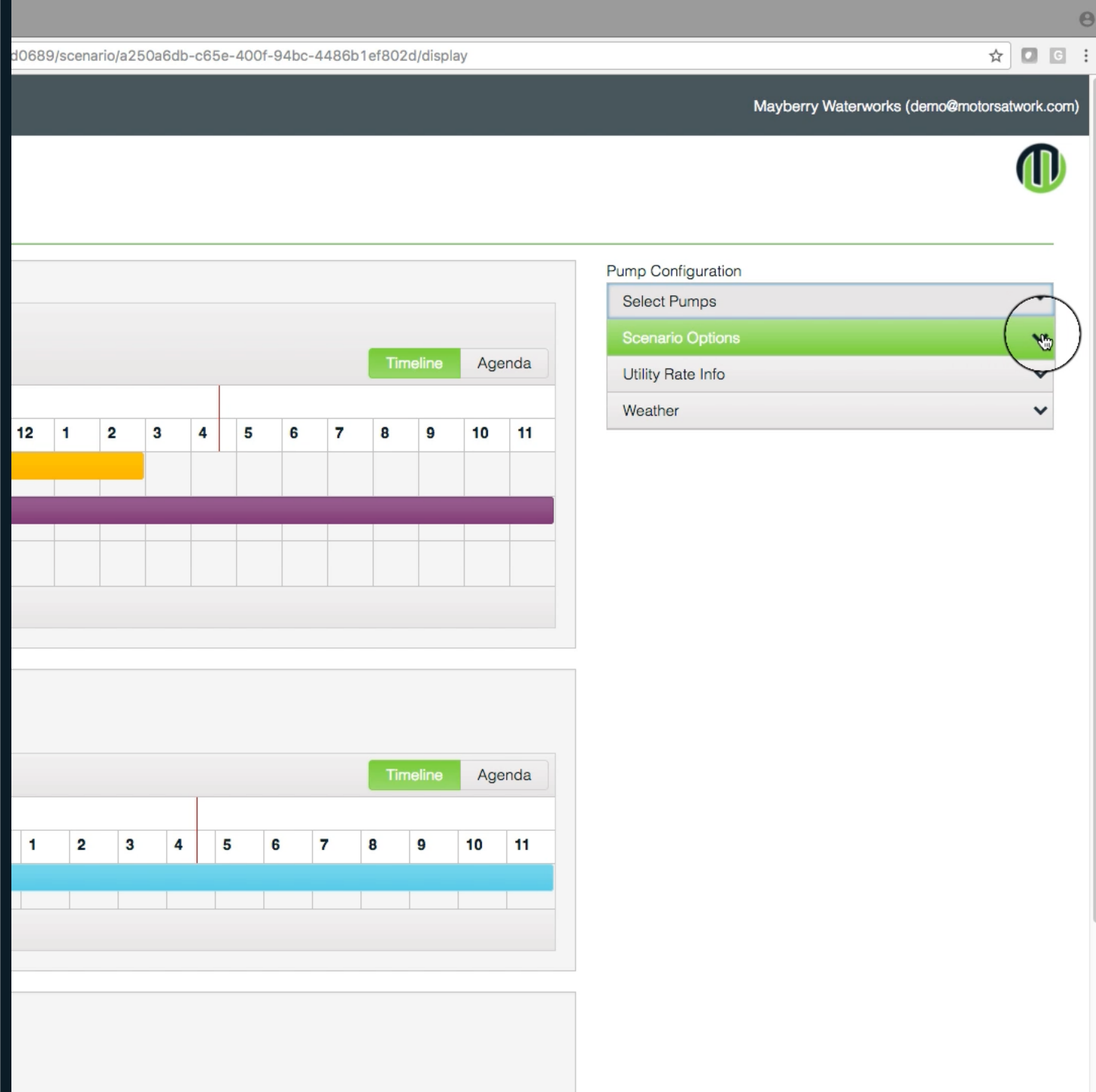
While Motors@Work will allow you to edit demand forecasted based on your weather & pump history, clicking Optimize will reset the scenario; to override the forecast and manually adjust demand, create a new scenario following the steps in the **ADD NEW SCENARIO** section





ADD A NEW SCENARIO

1. Click the ▼ [caret] to the right of **Scenario Options** on the right side of the screen to expand the menu

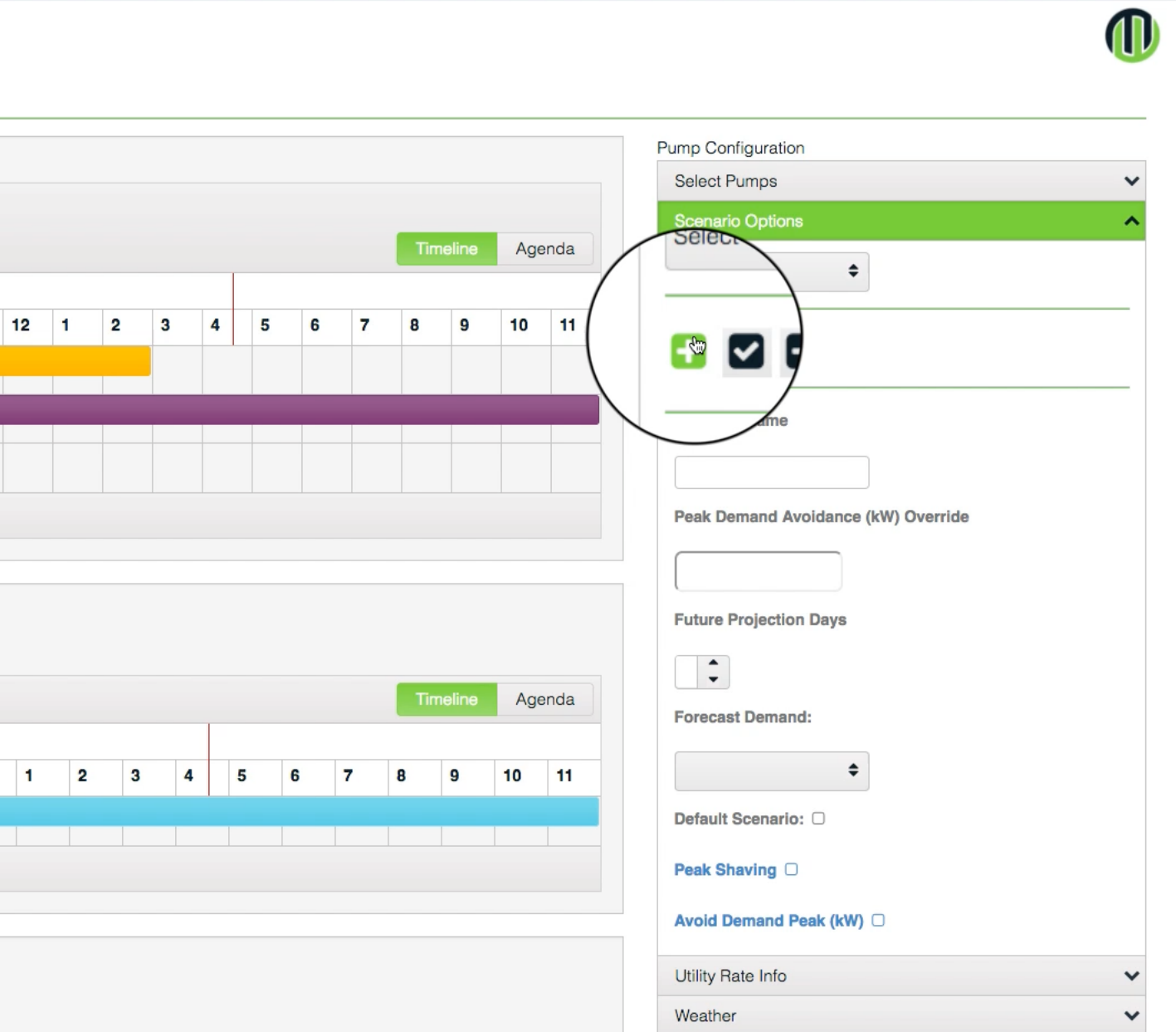


The screenshot shows a web browser window displaying the Mayberry Waterworks interface. The browser address bar shows a URL: d0689/scenario/a250a6db-c65e-400f-94bc-4486b1ef802d/display. The page title is "Mayberry Waterworks (demo@motorsatwork.com)".

The main content area features a timeline view with two tabs: "Timeline" (active) and "Agenda". The timeline is divided into 11 columns, numbered 1 through 11. A vertical red line is positioned between column 4 and 5. Below the timeline, there are three horizontal bars: a yellow bar spanning columns 1-3, a purple bar spanning columns 1-11, and a light blue bar spanning columns 1-11.

On the right side, there is a "Pump Configuration" menu with the following items:

- Select Pumps
- Scenario Options (highlighted in green, with a dropdown arrow and a hand cursor icon pointing to it)
- Utility Rate Info
- Weather (with a dropdown arrow)



Pump Configuration

Select Pumps

Scenario Options

Select

Timeline Agenda

12 1 2 3 4 5 6 7 8 9 10 11

Timeline Agenda

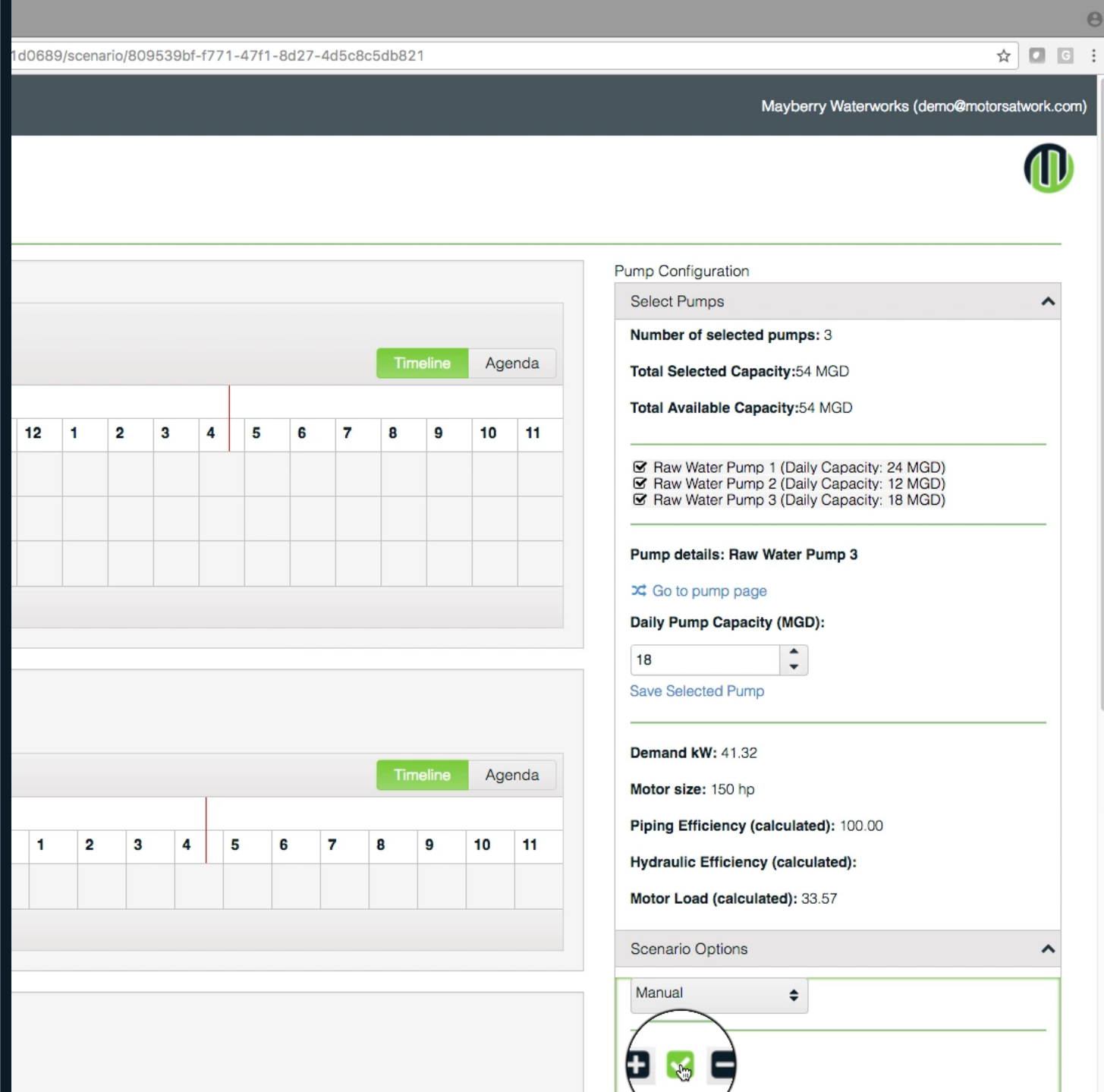
1 2 3 4 5 6 7 8 9 10 11

Utility Rate Info

Weather

2. Click the **+** [Add icon] below the **Select Scenario** (may also say **Default Scenario**) dropdown
3. Adjust the **Peak Demand Avoidance**, **Forecast Projection Days**, **Forecast Demand**, **Peak Shaving**, and **Avoid Demand Peak** settings

4. Follow the steps in the **ADJUST PUMP AVAILABILITY** and **ADD DAILY DEMAND** sections to choose which pumps to include in this analysis and add demand (pumpage)
5. Click the [Update icon] below the **Scenario Name** to save your changes



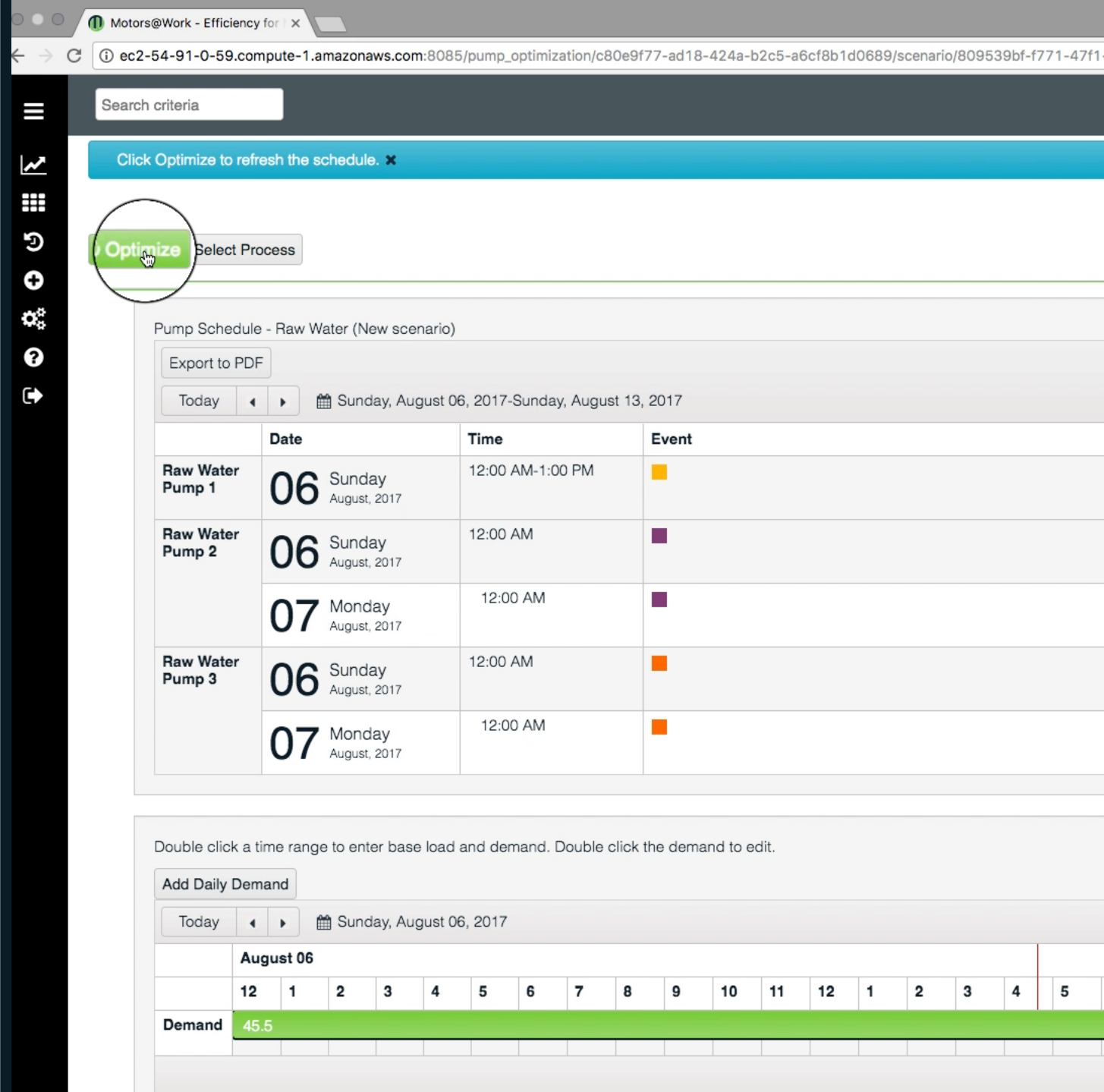
The screenshot shows a web browser window with the URL `id0689/scenario/809539bf-f771-47f1-8d27-4d5c8c5db821`. The page title is "Mayberry Waterworks (demo@motorsatwork.com)".

The interface is divided into several sections:

- Timeline/Agenda:** Two identical sections are visible, each with a "Timeline" button and a table with 11 columns (numbered 1-11) and multiple rows.
- Pump Configuration:**
 - Select Pumps:** Shows 3 selected pumps with a total capacity of 54 MGD.
 - Raw Water Pump Details:**
 - Raw Water Pump 1 (Daily Capacity: 24 MGD)
 - Raw Water Pump 2 (Daily Capacity: 12 MGD)
 - Raw Water Pump 3 (Daily Capacity: 18 MGD)
 - Pump details: Raw Water Pump 3:**
 - Go to pump page
 - Daily Pump Capacity (MGD): 18
 - Save Selected Pump
 - Demand kW: 41.32
 - Motor size: 150 hp
 - Piping Efficiency (calculated): 100.00
 - Hydraulic Efficiency (calculated):
 - Motor Load (calculated): 33.57
- Scenario Options:** A dropdown menu is set to "Manual".

At the bottom of the interface, there are three icons: a plus sign (+), a green checkmark in a square (the update icon), and a minus sign (-).

- Click the **Optimize** button in the upper left corner to create your recommended pump schedule




The screenshot shows a web browser window with the URL `ec2-54-91-0-59.compute-1.amazonaws.com:8085/pump_optimization/c80e9f77-ad18-424a-b2c5-a6cf8b1d0689/scenario/809539bf-f771-47f1-...`. The interface includes a search bar, a notification bar that says "Click Optimize to refresh the schedule. ✕", and a sidebar with various icons. The main content area displays a "Pump Schedule - Raw Water (New scenario)" section with an "Export to PDF" button and a date range selector set to "Sunday, August 06, 2017-Sunday, August 13, 2017". A table below shows the schedule for three pumps:

	Date	Time	Event
Raw Water Pump 1	06 Sunday August, 2017	12:00 AM-1:00 PM	■
	06 Sunday August, 2017	12:00 AM	■
Raw Water Pump 2	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■
Raw Water Pump 3	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■

Below the table is a section for "Add Daily Demand" with a date selector for "Sunday, August 06, 2017". It features a 24-hour grid for demand input:

	August 06																							
	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5						
Demand	45.5																							

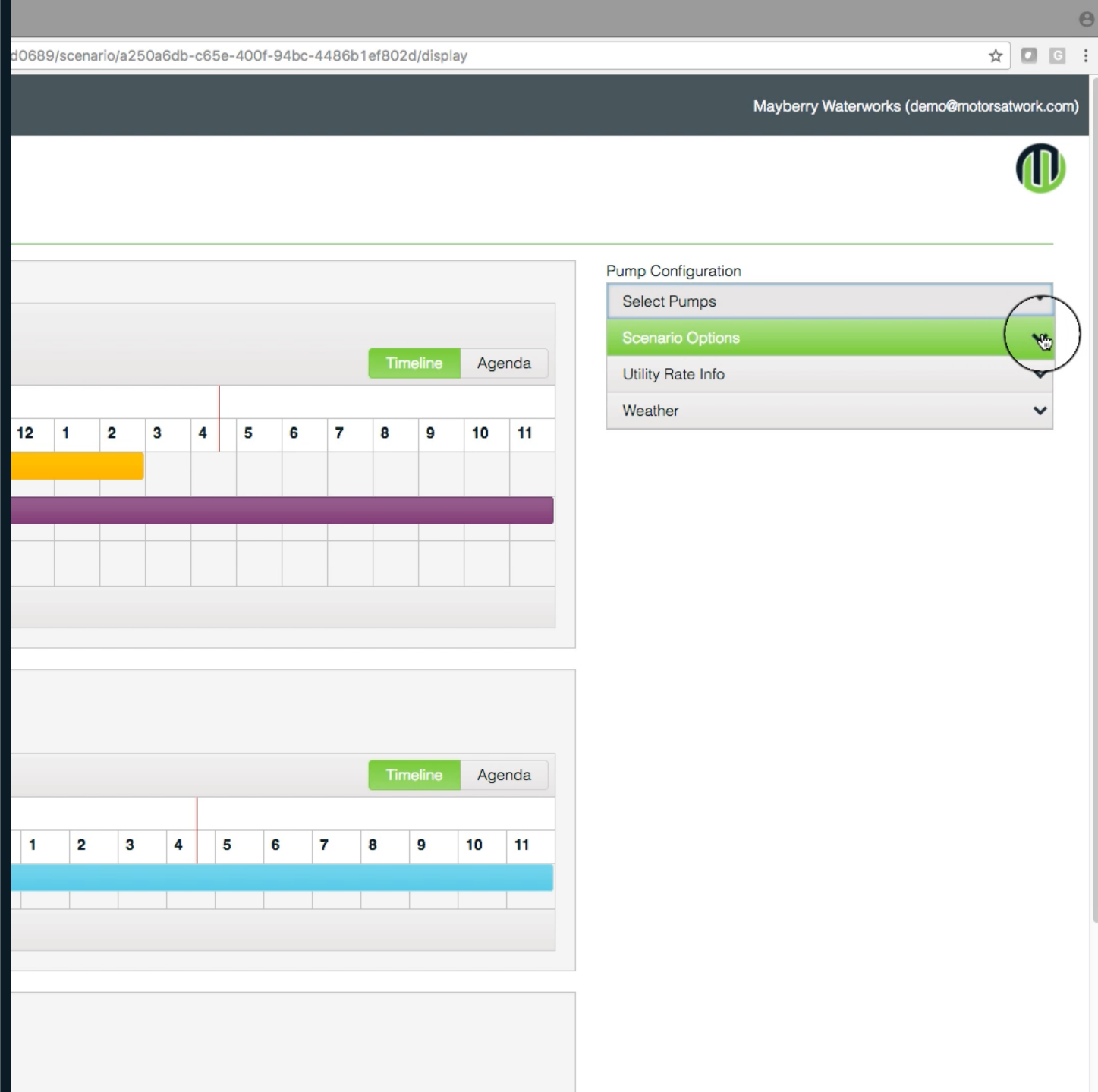
TIP

Create too many new scenarios? To delete an existing scenario, click the  [Remove icon] in the expanded **Scenario** menu

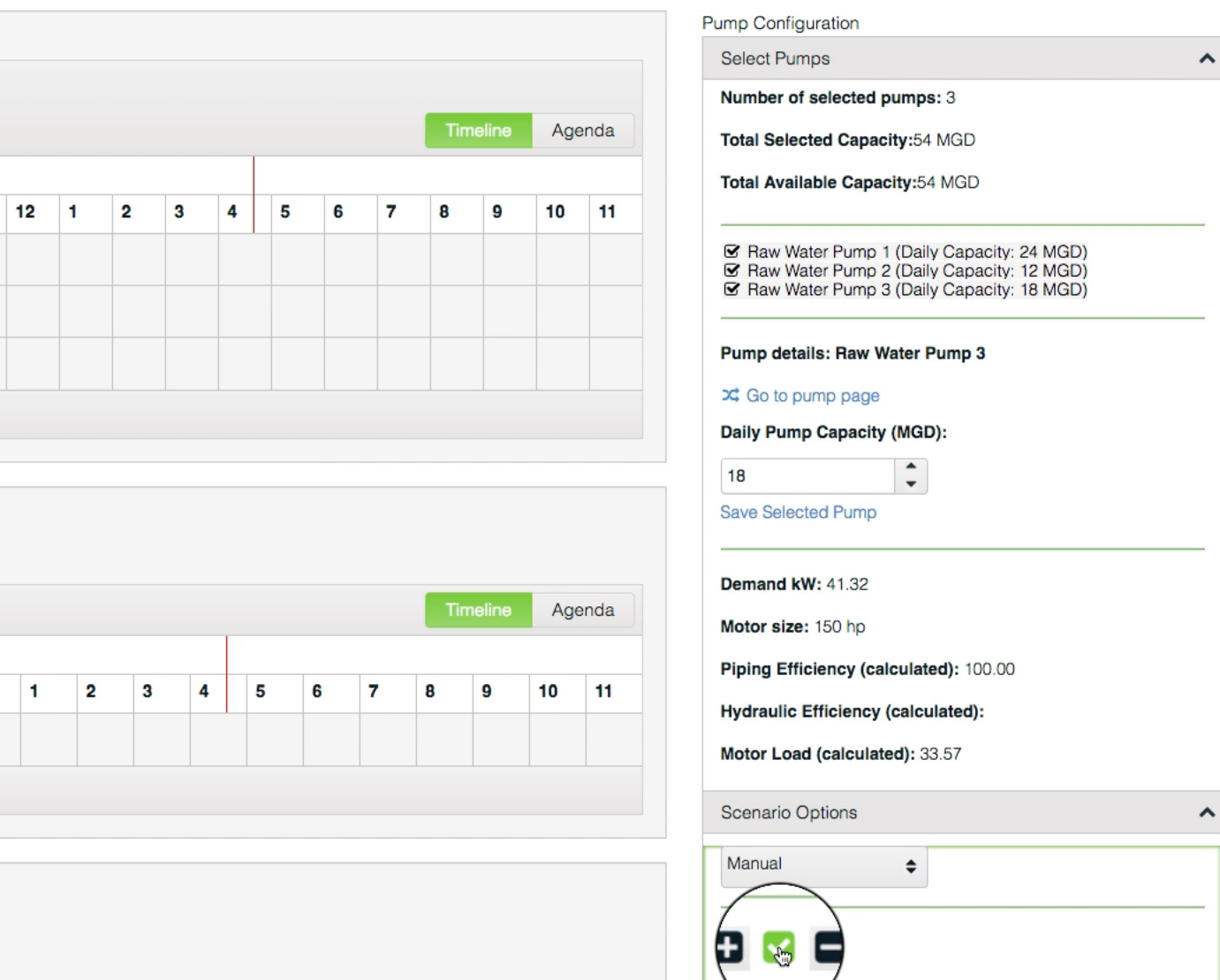


MODIFY AN EXISTING SCENARIO

1. Click the ▼ [caret] to the right of **Scenario Options** on the right side of the screen to expand the menu



The screenshot shows a web browser window displaying the Mayberry Waterworks interface. The browser's address bar shows a URL starting with 'd0689/scenario/a250a6db-c65e-400f-94bc-4486b1ef802d/display'. The page title is 'Mayberry Waterworks (demo@motorsatwork.com)'. The interface features a 'Pump Configuration' sidebar on the right with a dropdown menu. The dropdown menu is expanded, showing options: 'Select Pumps', 'Scenario Options' (highlighted in green), 'Utility Rate Info', and 'Weather'. A mouse cursor is pointing at the downward arrow of the 'Scenario Options' menu. The main content area displays a timeline view with two sections. The top section has a 'Timeline' tab selected and a grid with columns numbered 1 through 11. A yellow bar is present under column 1, and a purple bar spans from column 1 to 11. The bottom section also has a 'Timeline' tab selected and a grid with columns numbered 1 through 11. A blue bar is present under column 1.



The screenshot displays the 'Pump Configuration' section of the software. It includes a 'Select Pumps' dropdown menu showing 3 selected pumps with a total capacity of 54 MGD. Below this, there are checkboxes for three raw water pumps, all of which are checked. The 'Pump details' section for 'Raw Water Pump 3' shows a 'Daily Pump Capacity (MGD)' of 18, which can be adjusted via a spinner control. Other details include 'Demand kW: 41.32', 'Motor size: 150 hp', 'Piping Efficiency (calculated): 100.00', 'Hydraulic Efficiency (calculated):', and 'Motor Load (calculated): 33.57'. At the bottom, the 'Scenario Options' section shows a dropdown menu set to 'Manual', with a circled area highlighting the '+' (add), 'v' (update), and '-' (remove) icons.

Pump Configuration

Select Pumps

Number of selected pumps: 3

Total Selected Capacity: 54 MGD

Total Available Capacity: 54 MGD

Raw Water Pump 1 (Daily Capacity: 24 MGD)

Raw Water Pump 2 (Daily Capacity: 12 MGD)

Raw Water Pump 3 (Daily Capacity: 18 MGD)

Pump details: Raw Water Pump 3

[Go to pump page](#)

Daily Pump Capacity (MGD):

18

[Save Selected Pump](#)

Demand kW: 41.32

Motor size: 150 hp




Piping Efficiency (calculated): 100.00


Hydraulic Efficiency (calculated):

Motor Load (calculated): 33.57

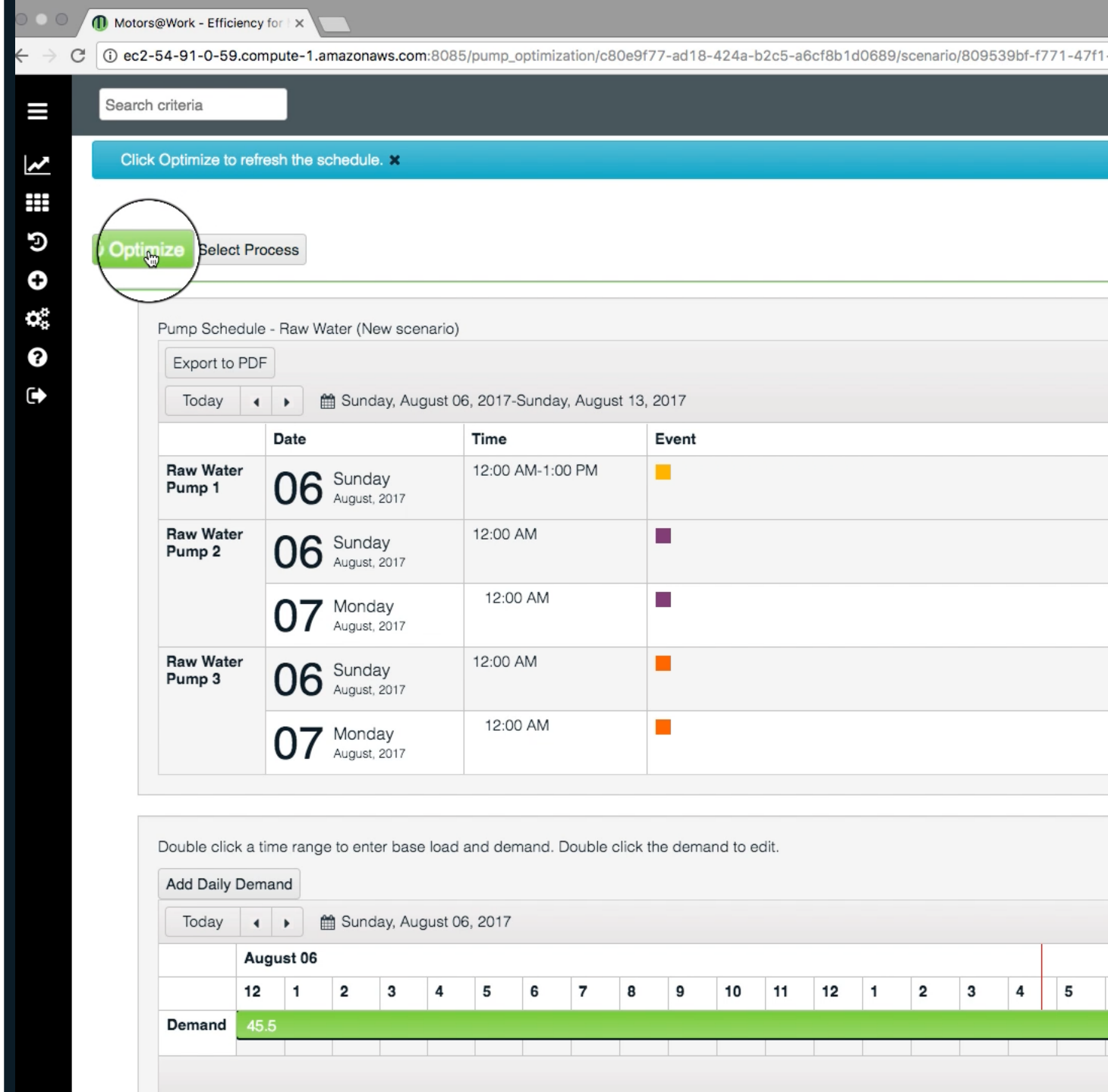
Scenario Options

Manual

2. Click the **Select Scenario** dropdown and choose a scenario from the list
3. Modify this scenario's settings; follow steps under **ADJUST PUMP AVAILABILITY & EDIT DAILY DEMAND** if needed
4. Click the  [**Update** icon] below the **Scenario Name** to save your changes

5. Follow the steps in the **ADJUST PUMP AVAILABILITY** and **ADD DAILY DEMAND** sections to choose which pumps to include in this analysis and add demand (pumpage)
6. Click the **Optimize** button in the upper left corner to create your recommended pump schedule




The screenshot shows a web browser window with the URL `ec2-54-91-0-59.compute-1.amazonaws.com:8085/pump_optimization/c80e9f77-ad18-424a-b2c5-a6cf8b1d0689/scenario/809539bf-f771-47f1-...`. The interface includes a search bar, a notification bar that says "Click Optimize to refresh the schedule. ✕", and a sidebar with various icons. The main content area is titled "Pump Schedule - Raw Water (New scenario)" and features an "Export to PDF" button and a date range selector set to "Today" and "Sunday, August 06, 2017-Sunday, August 13, 2017". A table displays the pump schedule with columns for "Date", "Time", and "Event".

	Date	Time	Event
Raw Water Pump 1	06 Sunday August, 2017	12:00 AM-1:00 PM	■
Raw Water Pump 2	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■
Raw Water Pump 3	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■

Below the table, there is a section for "Add Daily Demand" with a date selector set to "Sunday, August 06, 2017". It includes a grid for the day of August 06 with a "Demand" row showing a value of 45.5.

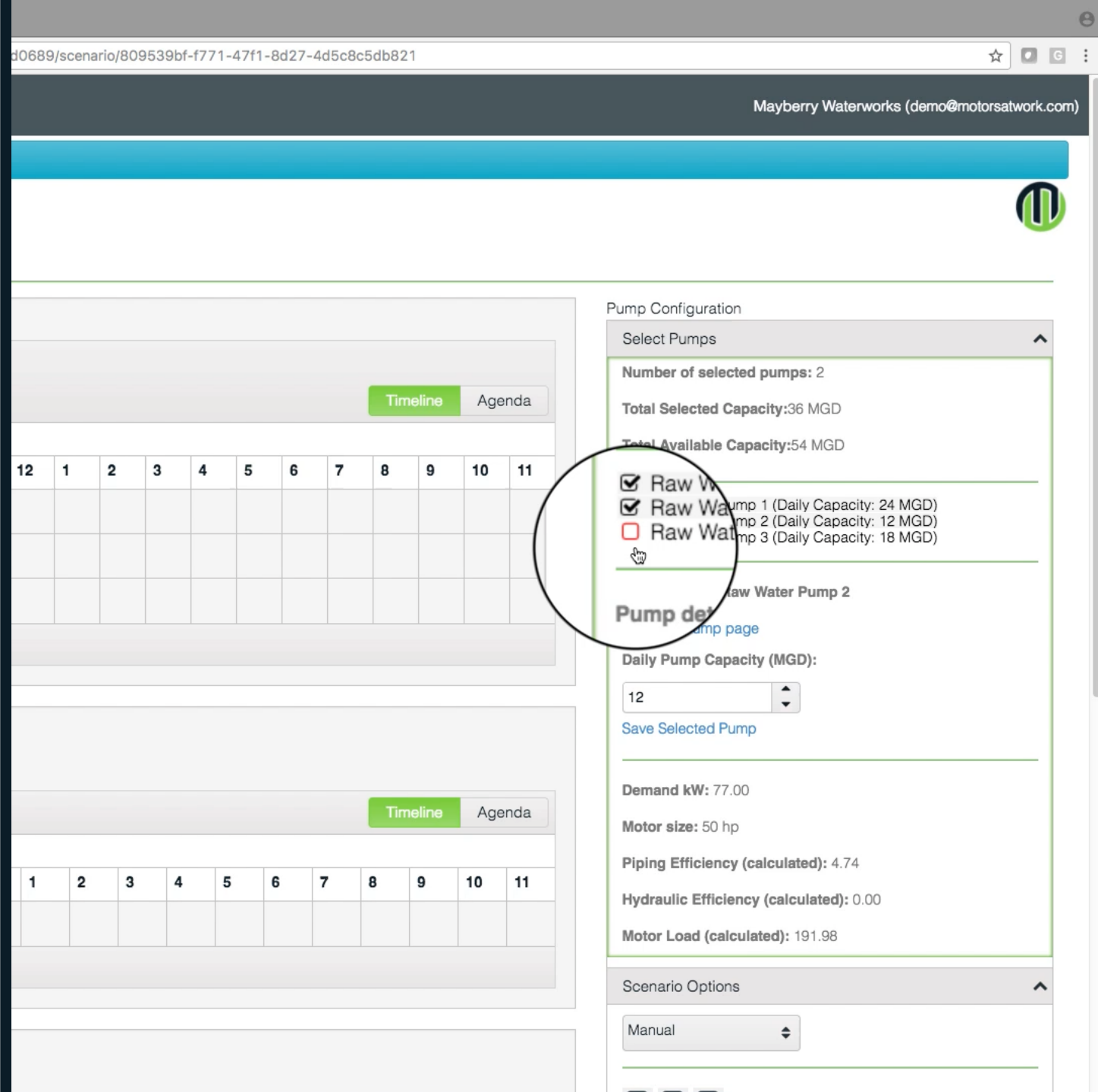
TIP

Create too many new scenarios? To delete an existing scenario, click the  [Remove icon] in the expanded **Scenario** menu



ADJUST PUMP AVAILABILITY


1. Click the ▼ [caret] to the right of **Select Pumps** on the right side of the screen to expand the menu
2. Choose which pumps to include (**check**) or exclude (**uncheck**) from this scenario



The screenshot displays the 'Pump Configuration' section of the software. A dropdown menu titled 'Select Pumps' is expanded, showing three options: 'Raw Water Pump 1 (Daily Capacity: 24 MGD)', 'Raw Water Pump 2 (Daily Capacity: 12 MGD)', and 'Raw Water Pump 3 (Daily Capacity: 18 MGD)'. The first two options are checked, and the third is unchecked. A red circle highlights the checkboxes. Below the menu, the 'Pump details' for 'Raw Water Pump 2' are visible, including a 'Daily Pump Capacity (MGD)' of 12, 'Demand kW: 77.00', 'Motor size: 50 hp', 'Piping Efficiency (calculated): 4.74', 'Hydraulic Efficiency (calculated): 0.00', and 'Motor Load (calculated): 191.98'. The 'Scenario Options' section at the bottom shows 'Manual' selected.



Pump Configuration

Select Pumps 

Number of selected pumps: 3

Total Selected Capacity: 54 MGD


Total Available Capacity: 54 MGD

Raw Water Pump 1 (Daily Capacity: 24 MGD)
 Raw Water Pump 2 (Daily Capacity: 12 MGD)
 Raw Water Pump 3 (Daily Capacity: 18 MGD)

Pump details: Raw Water Pump 3

[Go to pump page](#)

Daily Pump Capacity (MGD):

18 

[Save Selected Pump](#)


Demand kW: 41.32


Motor size: 150 hp




Piping Efficiency (calculated): 100.00

Hydraulic Efficiency (calculated):

Motor Load (calculated): 33.57

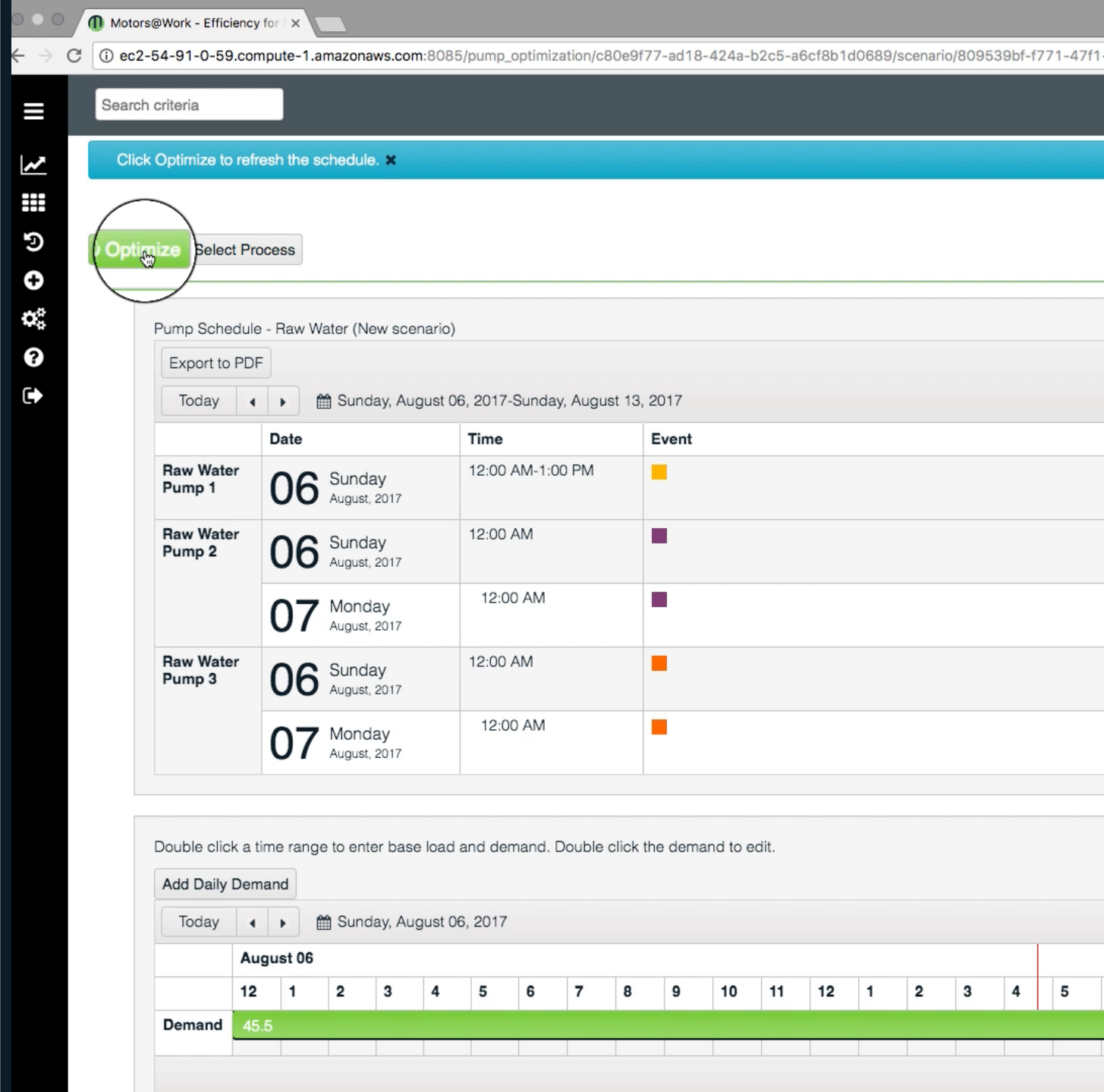
Scenario Options 

Manual 

3. Click the  [Update icon] below the Scenario Name to save your changes

4. Click the **Optimize** button in the upper left corner to create your recommended pump schedule



The screenshot shows a web browser window with the URL `ec2-54-91-0-59.compute-1.amazonaws.com:8085/pump_optimization/c80e9f77-ad18-424a-b2c5-a6cf8b1d0689/scenario/809539bf-f771-47f1-...`. The interface includes a search bar, a notification bar that says "Click Optimize to refresh the schedule. ✕", and a sidebar with various icons. The main content area is titled "Pump Schedule - Raw Water (New scenario)" and features an "Export to PDF" button and a date range selector set to "Sunday, August 06, 2017-Sunday, August 13, 2017".


	Date	Time	Event
Raw Water Pump 1	06 Sunday August, 2017	12:00 AM-1:00 PM	■
	06 Sunday August, 2017	12:00 AM	■
Raw Water Pump 2	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■
Raw Water Pump 3	06 Sunday August, 2017	12:00 AM	■
	07 Monday August, 2017	12:00 AM	■

Below the schedule table, there is a section for "Add Daily Demand" with a date selector set to "Sunday, August 06, 2017". It includes a calendar view for "August 06" and a "Demand" row with a value of 45.5.



Get an unexpected result?

Need more help?

Motors@Work's online [Help Library](#) contains the latest tips & tricks — just click the  [[Help icon](#)].