IQ4 - Dryrun™

The Intelligent Use of Water.™

IQ4 – Dryrun™

- **Dryrun™ is a feature that allows users to see projected irrigation**
  - Stations running at any one time
  - Minute-by-minute flow rate
  - Total water usage
  - Overall program(s) duration runtime

- **The projection is available in two forms:**
  - Graph
  - List

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- **Setup items to complete before running Dryrun™**
  - Controller Setup
    - Flow Sensors
    - Master Valves
    - Stations
    - Programs
    - Controller Level SimulStations
    - FloManager
    - Controller parameters (Auto/Off, Auto Sync, Auto Retrieve, etc.)

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- Program Setup
  - Start time(s)
  - Day(s) of operation
  - Program Level SimulStations
  - ET Adjust, Program Adjust

- Station Setup
  - Flow rate(s)
    - Manual
    - Learned flow
  - Base Runtime(s)
  - Decoder/IVM addresses
  - FloZone assignments

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- **Run the Dryrun™**
  - Time Period
    - Select Chart or List
    - Select 1, 3 or 7 days or
    - Select custom by day from 1 to 31 days
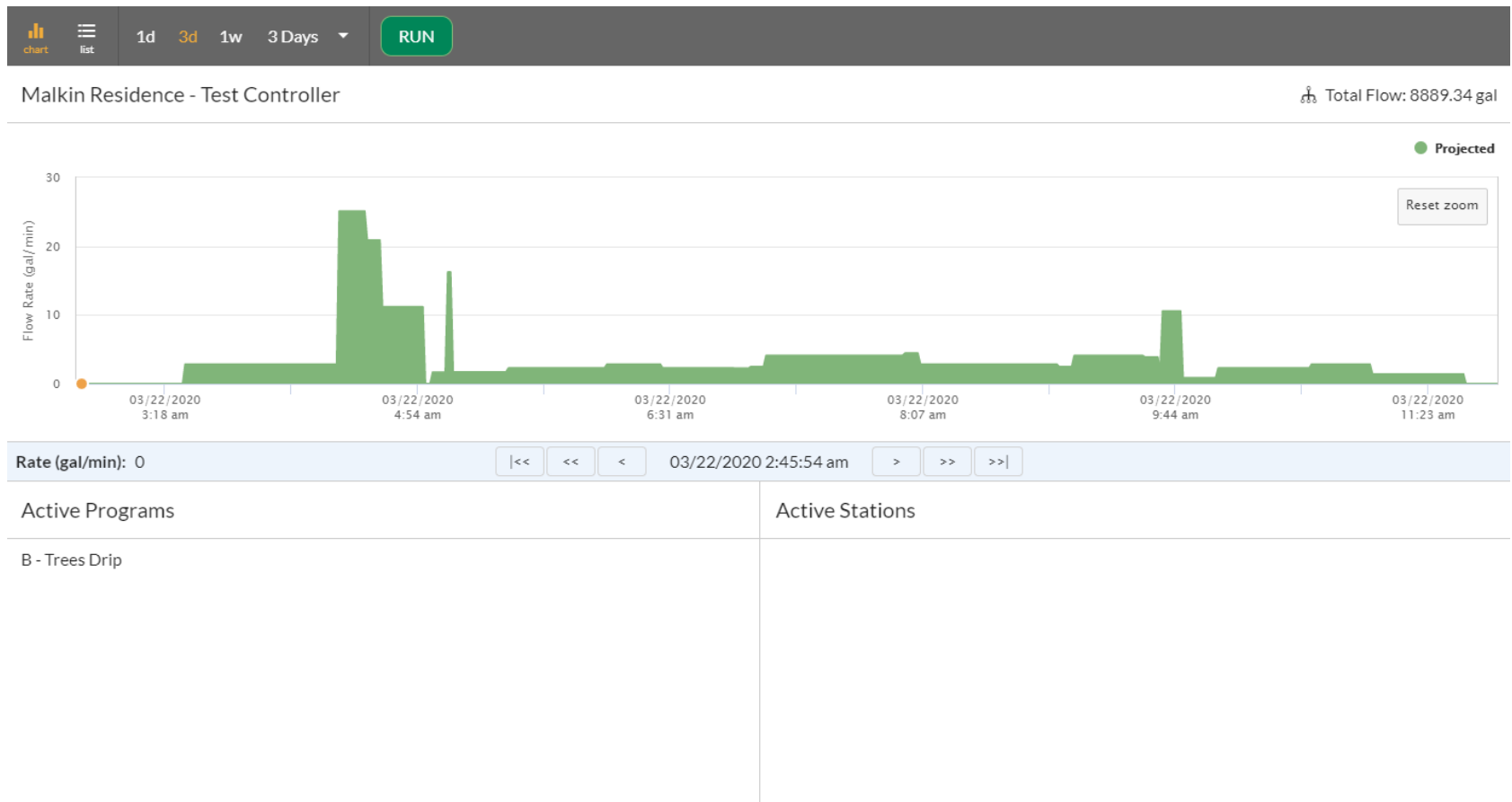   - Click on Run
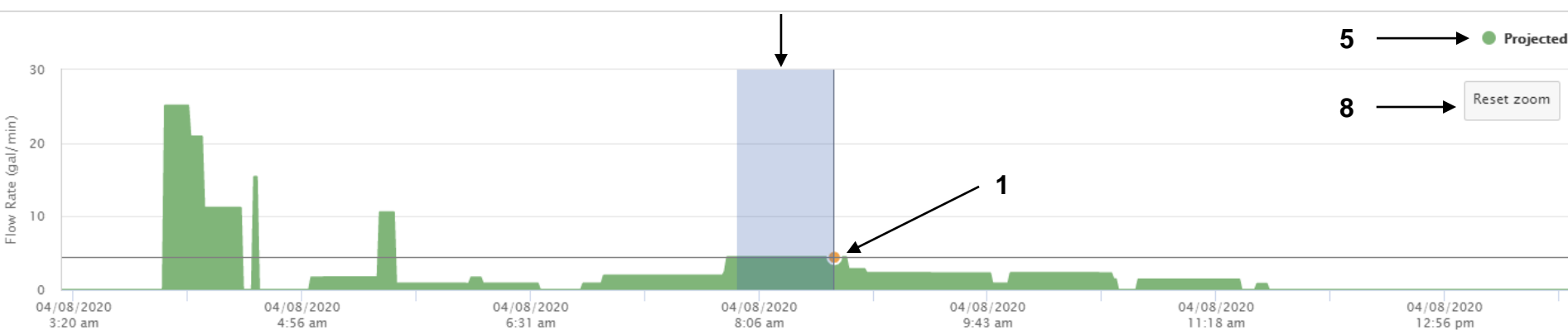
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- **Using the Dryrun™ Simulator**
  - The Dryrun™ Simulator is an interactive simulation of the projected program/station operation and flow of water over time. The simulation uses the selected controller's current configuration properties (including modules, flow rates, programs, etc.) to create an easy-to-understand, snapshot projected watering output. The Dryrun™ Simulator also allows you to interact with the simulation, giving you the ability to move a cursor to display system status at one minute intervals in time.

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- **Understanding the Dryrun™ Simulation display**

6 → ⚘ Total Flow: 2909.80 gal

5 → ● Projected

8 → Reset zoom

7

1

Flow Rate (gal/min) — 30, 20, 10, 0

04/08/2020 3:20 am | 04/08/2020 4:56 am | 04/08/2020 6:31 am | 04/08/2020 8:06 am | 04/08/2020 9:43 am | 04/08/2020 11:18 am | 04/08/2020 12:56 pm

Rate (gal/min): 4.44 ← **4**

|<< << < 04/08/2020 8:39:15 am > >> >>|

9

Active Programs ← **2**
A - Shrubs - drip
B - Trees Drip
C - Pots - Planters

Active Stations ← **3**
Garage Trees   1.43 gal/min
Entry Shrubs   3.01 gal/min

1. **Cursor — Move the mouse cursor across the chart to display details in the status area at the bottom of the screen.**
   Tip: You can adjust the position of the Cursor on the horizontal axis to one minute accuracy by using the Cursor Advance buttons to move the cursor.

2. **Active Programs — Active Programs displays the programs running at the selected time**

3. **Active Stations – Active Stations displays the stations running at the selected time**

4. **Rate — When using the Cursor function, this line shows the current flow rate.**

5. **Projected -- The vertical height of the green bar(s) indicates the volume of water programmed to flow at the time directly below the bar on the horizontal axis.**

6. **Total Flow – displays the total projected flow for the original time period selected**

7. **Zoom – Click and hold the left mouse button while moving the cursor across the chart to zoom into a smaller time period**

8. **Reset Zoom – resets the zoom window to the original selected time period**

9. **Cursor advance buttons — These buttons provide navigation along the time line with better resolution than using the mouse/cursor alone. Each button moves the cursor either right or left along the time line in small increments.**
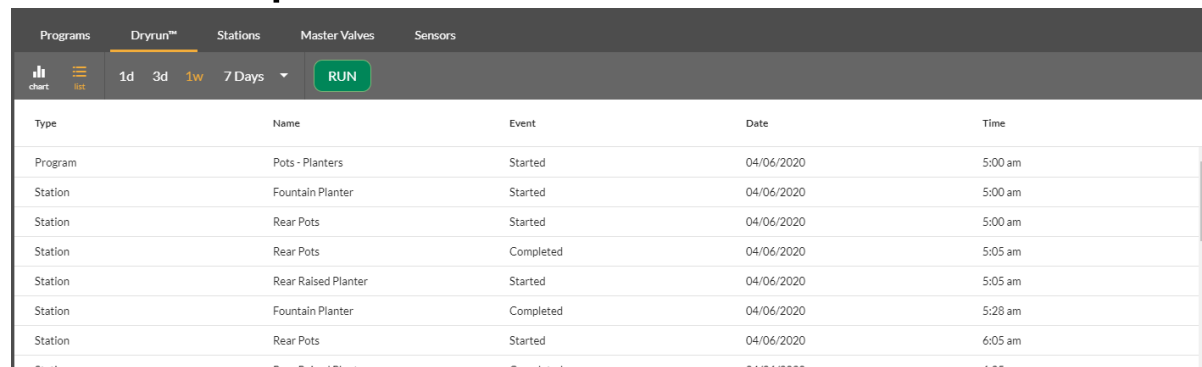
To the start   Back 1 hour   Back 1 minute   Date and Time   Ahead 1 minute   Ahead 1 hour   To the end

|<< << < 03/23/2020 7:16:00 am > >> >>|

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- **Dryrun™ display options**
  - Graph: displays a graphical presentation of forecast runtimes with details of which programs, stations, flow amounts and time duration with an easy-to-use Zoom feature
  - List: displays in list format a forecast of runtimes with details of which program/stations are to operate, their start and completion times.

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- **Features**
  - Zoom
    - Click and hold the left mouse button and drag across the area to be expanded
    - Click on the Reset Zoom button in the upper left corner to reset it to the original time period selection
  - Buttons
    - Allow scrolling in the displayed direction by minute, hour or go to the start/end
  - Non-irrigation stations
    - Non-irrigation stations are not shown in the graphical display but are shown in the list display

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- **Dryrun™ will use the last known weather forecast**

- **If there is a Rain Delay set, the Dryrun™ will take that into account and you will not see any activity until the delay is over**

- **Notes**
  - IQ4 uses the same algorithms that are used in the controllers

FREQUENTLY ASKED QUESTIONS

FAQs

1. **Does Simple ET affect the Dryrun^{TM}?**

    Yes. Dryrun^{TM} calculates the forecast with the latest weather information and will adjust the runtimes for programs set to Simple ET