Optimizer By Route / Location Setup

Optimizer Breakout Rules for Setup

Once the breakout version is deployed, the original Optimizer Auto Task will remain in place. To use the Optimizer Breakout mode, delete the current Optimizer task and add a new task for each variation of Route/Locations. New options will be presented for input.

Name	Type	Value
Clear Schedule (Yes,No)	String	Yes
Route Range (Blank For All)	String	78,81-84
Location Range (Blank For All)	String	8,15,17
Tank Type	String	P
Email To	String	jdoe@energyforce.net;janedoe@energyforce.net
Cust Tank Fill Fract	Number	0.8
Days Julian After	Number	5
Days Julian Before	Number	2
Days Will Call After	Number	5
Days Will Call Before	Number	1
Skip Weekend Deliveries (Yes,No)	String	NO
Summer Fill Begin (MM/DD/YYYY)	Date	06/01/2024
Summer Fill End (MM/DD/YYYY)	Date	08/31/2024
Summer Fill Limit Threshold	Number	0.05
Summer Fill Target Threshold	Number	0.7
Summer Fill Will Call KFactor	Number	4
Summer Fill Will Call Level	Number	0.2

Clear Schedule (Yes, No) – Choose *Yes*, if routes already exist with the same parameters, Optimizer will clear the schedule and generate new ones.

Route Range (Blank for All) – Can be separated by comma, hyphen, or both.
Examples include:

- 1,3,7 (routes one, three, and seven)
- 1-3,10-15 (routes one through three and routes 10 through 15)
- 1,3,10-15 (route one, route three, route 10 through 15)

Location Range (Blank for All) – Can be separated by comma, hyphen, or both.
Note: Processing by location only is currently prohibited. Route number(s) must also be present in the Route Range.

Tank Type - P

EmailTo - Insert email addresses to receive route stats separated by a semi colon.

Cust Tank Fill Fract – Decimal form for tank percent for full fill.

Days Julian Before\Days Julian After – Number of days before or after a Julian can be delivered to.

Days Will Call Before\After – Number of days before or after a Call-in entry is entered.

Skip Weekend Deliveries (Yes, No) – Choosing *No* allows the Optimizer to generate schedules daily.

Summer Fill Begin (MM/DD/YYYY) – First day of Summer Fill.

Summer Fill End (MM/DD/YYYY) – Last day of Summer Fill.

Summer Fill Limit Threshold – Lower limit decimal value of tank % to be considered critical.
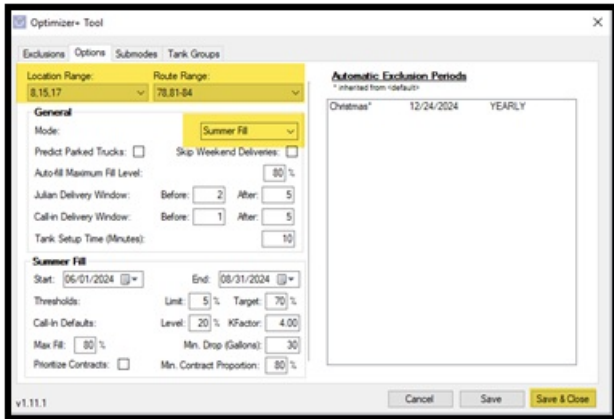
Summer Fill Target Threshold – Upper limit decimal value of tank % to be considered for routing.

Summer Fill Will Call K-Factor – Typically set to 4.

Summer Fill Will Call Level – Typically set to decimal .2 for 20%.

Note: Every auto task that is entered must have Summer Fill settings applied if active, expired, or set for the future.
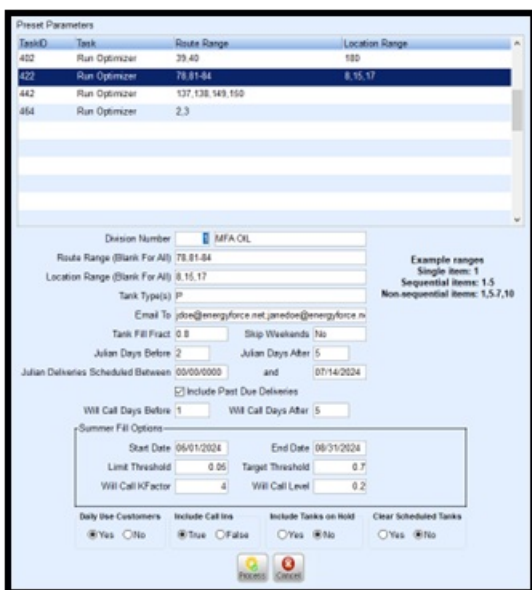
Summer Fill

The sub-*Mode* in the *Optimizer+ Tool* must be set to *Summer Fill* for the system to route summer fill tanks.

At this time, once an auto task has been added or modified for Summer Fill, open the *Optimizer+ Tool*, Save, and close to commit the Summer Fill setup within the tool. It is suggested that all auto tasks be added/modified first so that the tool only needs to be opened and saved one time.

Processing manual routes

Route Scheduling \ Schedule Deliveries \ Populate Optimizer

Each Auto Task will be listed in the *Populate Optimizer* screen. Choose the *Task*, adjust as needed and **Process**. **Note**: This is a one-time only adjustment, the original Auto Task will remain intact. *Clear Scheduled Tanks* is defaulted to *No* in this screen. Leave as *No* to add additional runs to existing routes or select *Yes* to clear any

existing routes defined for the Task.

General Notes:

Each Auto Task iteration will send route stats defined to the task to the *EmailTo* recipients. In the example below, this company has over 200 routes, but only received routes stats for the Route Numbers identified in the Auto Task.

Daily Status email for Optigistics Log for Jun 28 2024 3:56PM

Today's Weather:
div:1 rg:6   hi:98 low:78 edd:0
div:1 rg:7   hi:90 low:68 edd:0
div:1 rg:8   hi:85 low:67 edd:0
div:1 rg:9   hi:84 low:67 edd:0
div:1 rg:14 hi:92 low:69 edd:0
div:1 rg:27 hi:82 low:66 edd:0
div:1 rg:28 hi:81 low:67 edd:0

Route Delivery Info:
rt:78 trk:3146 rns:3 stp:24 gal:5681.6 crit:15 hrs:8.7 dst:102.2 rep:0
rt:81 trk:1720 rns:3 stp:27 gal:6117.1 crit:11 hrs:9.3 dst:96.3   rep:0
rt:82 trk:2165 rns:3 stp:21 gal:5125.4 crit:12 hrs:8.5 dst:109.5 rep:0
rt:83 trk:2040 rns:3 stp:25 gal:6330   crit:11 hrs:8.9 dst:86.2   rep:0
rt:84 trk:3004 rns:2 stp:24 gal:4936.1 crit:10 hrs:7.9 dst:89   rep:0

Location Only

As previously indicated, processing *By Location Only* is currently prohibited. If processed *By Location Only*, the route stats will display ALL routes. Mostly all routes will display as parked except for the routes that are tied to the Location(s) referenced in the Auto Task and causes an extreme delay in sending route stats. An enhancement will be added later to correct this issue.