



# inovonics®

TapWatch Application: Speed Programming  
Using a 2D barcode scanner and export/import functions

# Speed Programming: What You Need

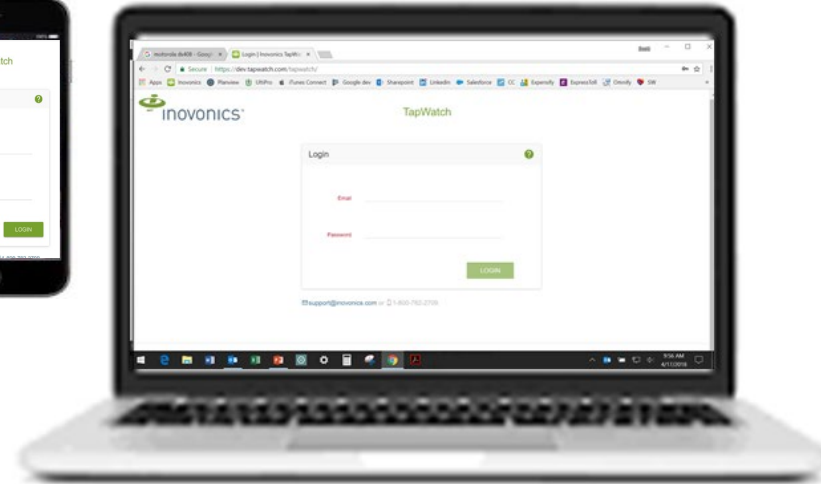
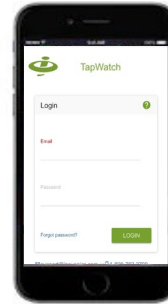


Inovonics pulse meter transmitters with external TXID labels (EN1501-BU shown)



Any 2D barcode scanner, with appropriate female USB wiring (Motorola DS4308 shown)

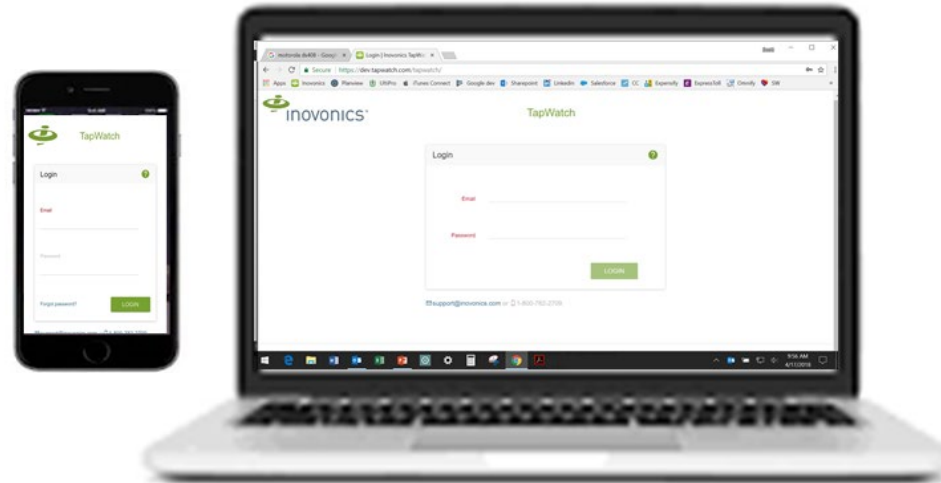
TapWatch application on PC or mobile device



# Connect a Barcode Scanner

1. Connect a barcode scanner to your PC, or mobile device with the appropriate Android/iOS female USB adapter.

Make sure the scanner is configured to add a line feed after each barcode scan, referring to the user manual for specifics.



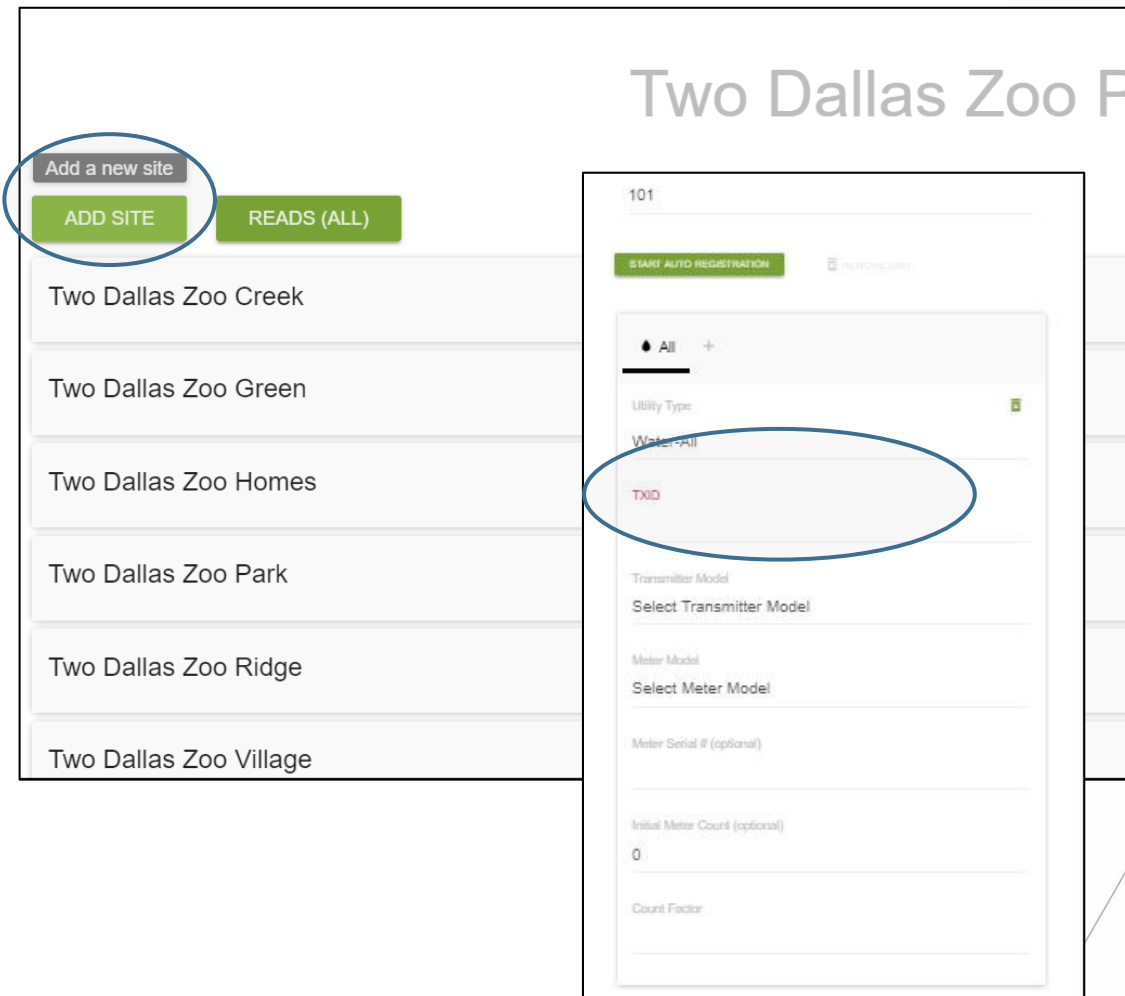
# Create the Site – Scan into Application

2a. Create the site in the TapWatch application adding

- All of the site's buildings (with building notes if desired).
- The repeaters, entering the repeater TXID's.
- When adding units, scan TXIDs directly into the application

Note, you can also use auto-registration if that is your preferred method.

Refer to the TapWatch user manual for additional details.



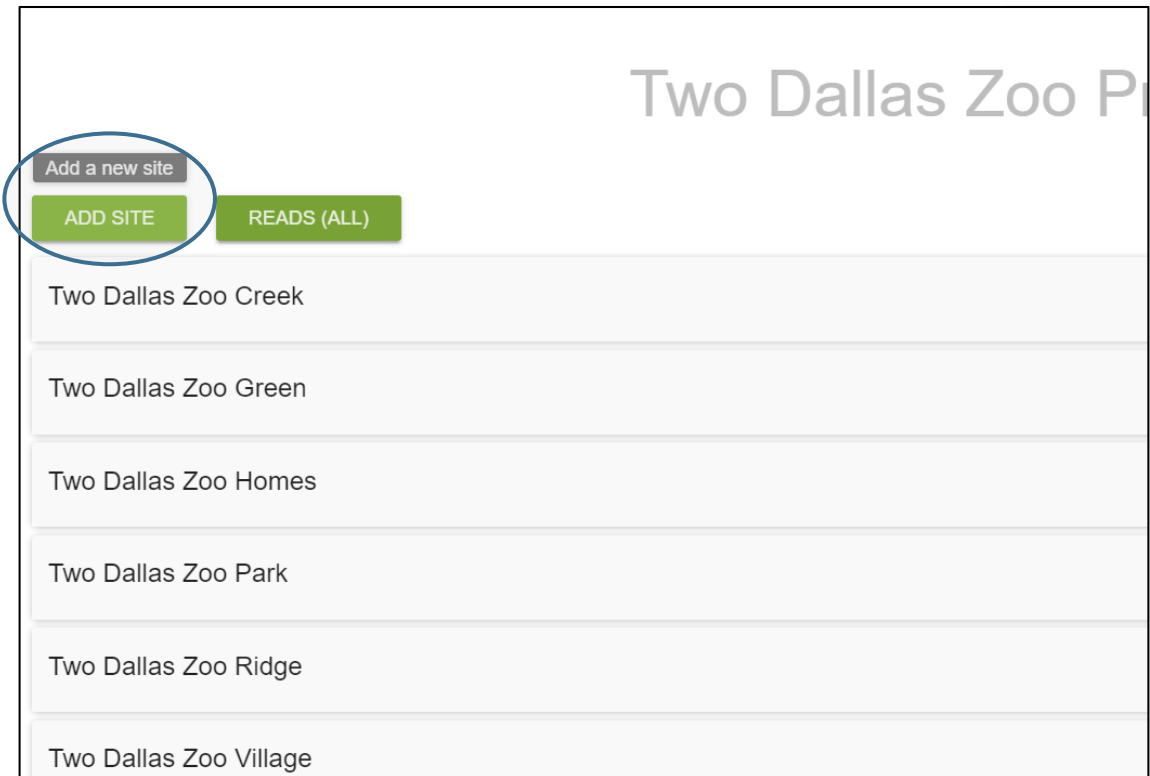
The image shows two screenshots from the TapWatch application. The left screenshot displays a list of sites for 'Two Dallas Zoo Park'. At the top, there are two buttons: 'Add a new site' (circled in blue) and 'ADD SITE'. Below the buttons is a list of buildings: 'Two Dallas Zoo Creek', 'Two Dallas Zoo Green', 'Two Dallas Zoo Homes', 'Two Dallas Zoo Park', 'Two Dallas Zoo Ridge', and 'Two Dallas Zoo Village'. The right screenshot shows the 'Two Dallas Zoo Park' site details page. At the top, it says '101'. Below that, there are buttons for 'START AUTO REGISTRATION' and 'UNDO LINK'. A dropdown menu is open, showing 'All' and a plus sign. Below the dropdown, there are fields for 'Utility Type' (set to 'Water-All'), 'TXID' (circled in blue), 'Transmitter Model' (with a 'Select Transmitter Model' button), 'Meter Model' (with a 'Select Meter Model' button), 'Meter Serial # (optional)', 'Initial Meter Count (optional)' (set to '0'), and 'Count Factor'.

# Create the Site – Export/Import

2b. Create the site in the TapWatch application adding

- All of the site's buildings (with building notes if desired).
- The repeaters, entering the repeater TXID's.
- A couple units to the first building.

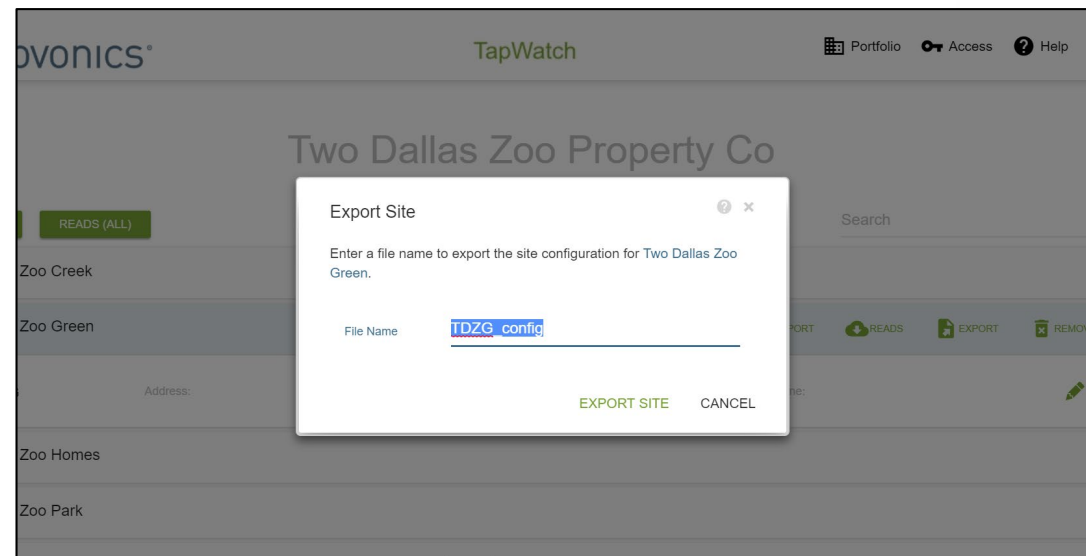
Refer to the user manual for details.



# Export the Site

2c. Export the site, creating an Excel spreadsheet in the correct format.

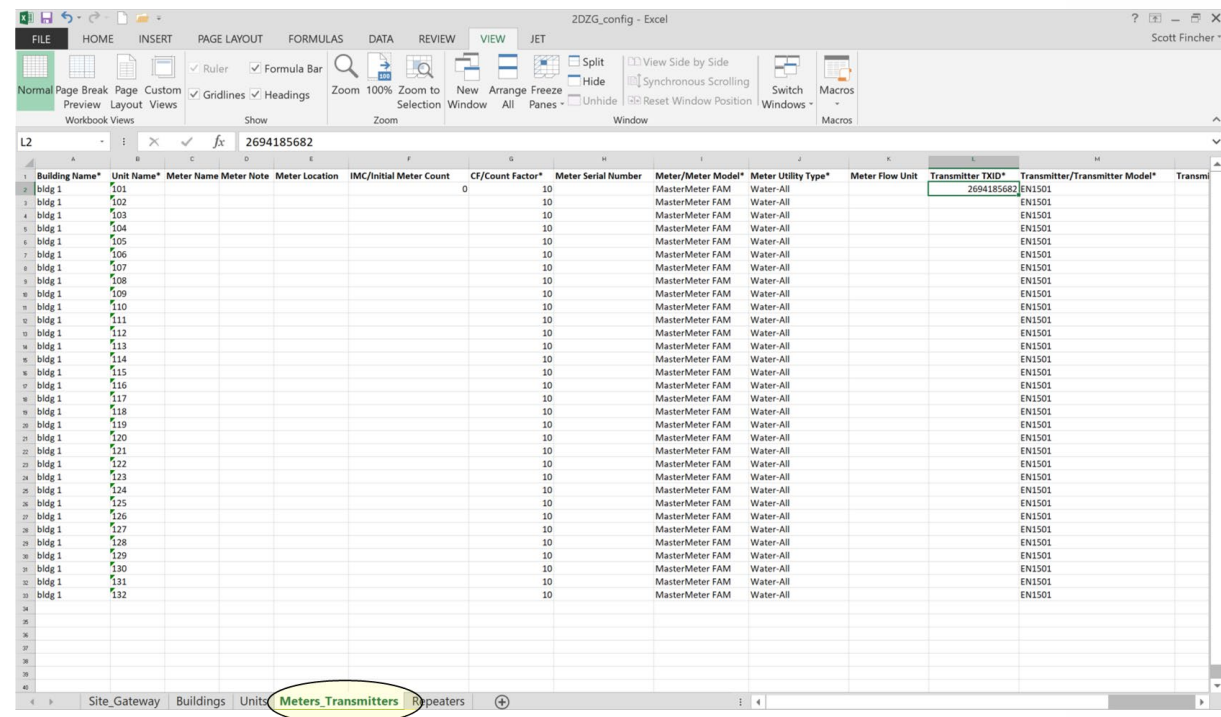
This exported file will serve as your template to rapidly complete the programming and configuration.



# Complete the Meters\_Transmitters Tab

2d. Expand and manipulate the information in the Meters\_Transmitters tab of the spreadsheet

- to include the entire site config, correctly
- designating unit names under each building and following the site spreadsheet format
- leaving the Transmitter TXID column cells blank.



Building Name*	Unit Name*	Meter Name	Meter Note	Meter Location	IMC/Initial Meter Count	CF/Count Factor*	Meter Serial Number	Meter/Meter Model*	Meter Utility Type*	Meter Flow Unit	Transmitter TXID*	Transmitter/Transmitter Model*	Transmitter/Transmitter Model*
bldg 1	101					0	10	MasterMeter FAM	Water-All		2694185682	EN1501	
bldg 1	102						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	103						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	104						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	105						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	106						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	107						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	108						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	109						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	110						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	111						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	112						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	113						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	114						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	115						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	116						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	117						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	118						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	119						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	120						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	121						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	122						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	123						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	124						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	125						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	126						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	127						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	128						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	129						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	130						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	131						10	MasterMeter FAM	Water-All			EN1501	
bldg 1	132						10	MasterMeter FAM	Water-All			EN1501	

# Scan Transmitters

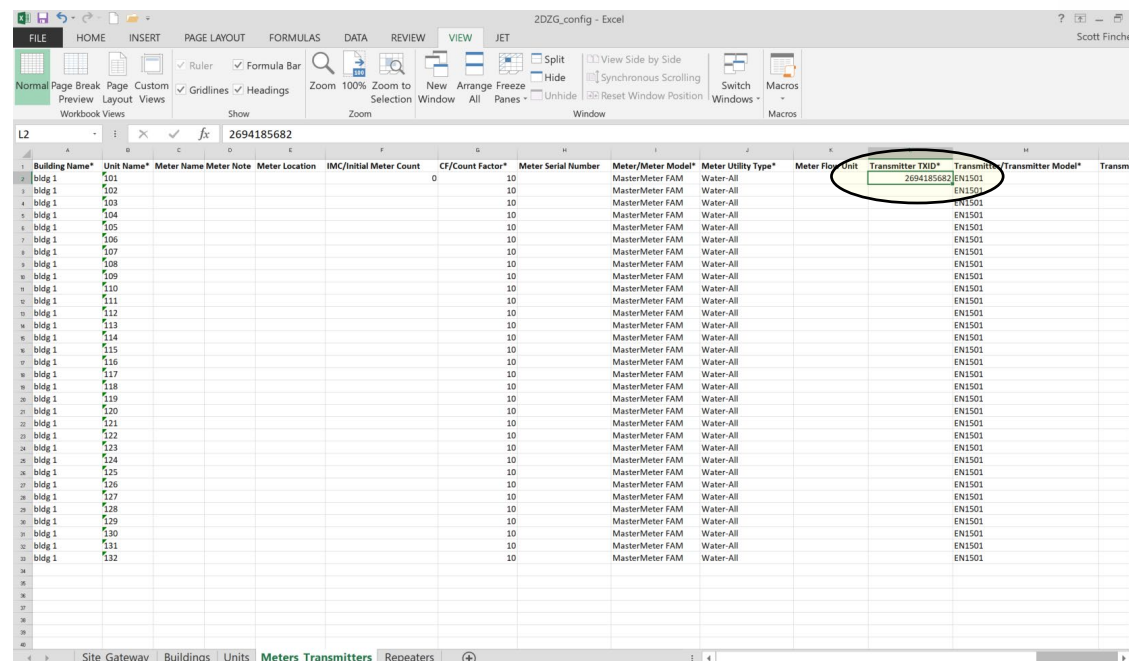
2e. Place the PC cursor on the Transmitter TXID cell for the first unit.

Scan the barcode of that transmitter. The scanner will populate the spreadsheet cell with the TXID number, and the cursor will advance to the next unit.

Scan the next transmitter barcode, and repeat this technique until all transmitters have been scanned.

Save and close the spreadsheet.

Import the spreadsheet in to the TapWatch Application.



Building Name*	Unit Name*	Meter Name	Meter Note	Meter Location	IMC/Initial Meter Count	CF/Count Factor*	Meter Serial Number	Meter/Meter Model*	Meter Utility Type*	Meter Flow Unit	Transmitter TXID*	Transmitter Model*	Transmitter
blgd 1	101					0	10	MasterMeter FAM	Water-All		2694185682	EN1501	
blgd 1	102						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	103						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	104						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	105						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	106						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	107						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	108						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	109						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	110						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	111						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	112						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	113						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	114						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	115						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	116						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	117						10	MasterMeter FAM	Water-All			EN1501	
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blgd 1	122						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	123						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	124						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	125						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	126						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	127						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	128						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	129						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	130						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	131						10	MasterMeter FAM	Water-All			EN1501	
blgd 1	132						10	MasterMeter FAM	Water-All			EN1501	



# Label Transmitters

3. Label each transmitter with the building/unit to which it will be installed.

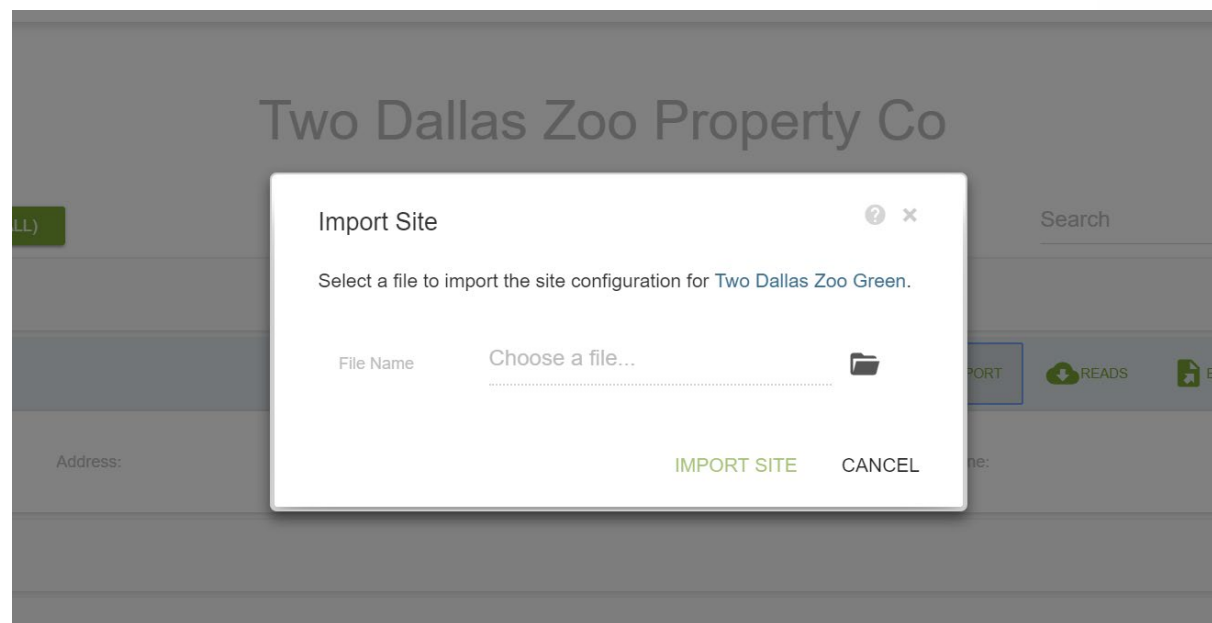
This can be done while the transmitters are still in the bulk pack boxes.



# Import the Spreadsheet

4. Import the spreadsheet into the TapWatch Application.

You have now completed transmitter programming for this site.



## For More Information

- Inovonics Technical Support:
  - [support@inovonics.com](mailto:support@inovonics.com)
  - (800) 782-2709, (303) 939-9336
  
- [Your Inovonics Account Manager](#)
  
- [Inovonics Submetering Partners and Distributors](#)