California ISO

Variable Energy Resource Forecasting Documents in RIMS and Forecast Creation

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Short Term Forecasting
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STF Information Webform (SiteInfo)

To Locate: Project View page > STF Information *(be sure to fill out all fields)*

Met Station Sharing

If set to N will automatically mark sharing agreement bucket 1 item not required on submittal.

Meteorological Equipment Information

This section is intended to gather what instruments used for each met point. Duplicates are okay.

Submissions

Submit after uploading topo map, shapefile, sharing agreement *(if applicable).*

Common Issues

- AC Capacity > DC Capacity, opposite is expected
- Numerical values instead of instrument info in met equipment
- Mismatch between webform and shapefile (automated error message sent)

Shapefile

QGIS File

QGIS file to be uploaded in normal project files location

- Upload zip file after filling out STF information webform
- <Project Key> Shapefile Ver#.zip

Review

Shapefile and topo map are not immediately submitted for review when uploaded

After uploading both and filling out STF info, “Submit” under STF Information will submit all of them together for review.

Resource

See Bucket 1 section of the NRI page for templates and a video demonstration

Verify

Automated checks run with STF info upon upload

If there are issues, there will be a pop-up and an email sent with more information

Bucket 1 Forecasting Document Process

01 **Fill out STF Information Webform**

02 **Upload topomap and sharing agreement (if applicable).** Can be uploaded prior to filling out webform

03 **Upload Shapefile.** Must be uploaded after webform is filled out

04 **Click "Submit" under STF Information.** "Siteinfo submitted for review" appears in bucket notes

05 **STF Reviews webform and uploaded documents**

06 **Following STF approval, our forecast service providers will review**

07 **Once STF and FSPs approve, bucket 1 items marked "conditionally approved"**

08 **Once resource ID assigned, status automatically updates to "approved"**

Shapefile Error message: Shapefile Layer “has some issue”

RIMS **cannot** read Shapefile

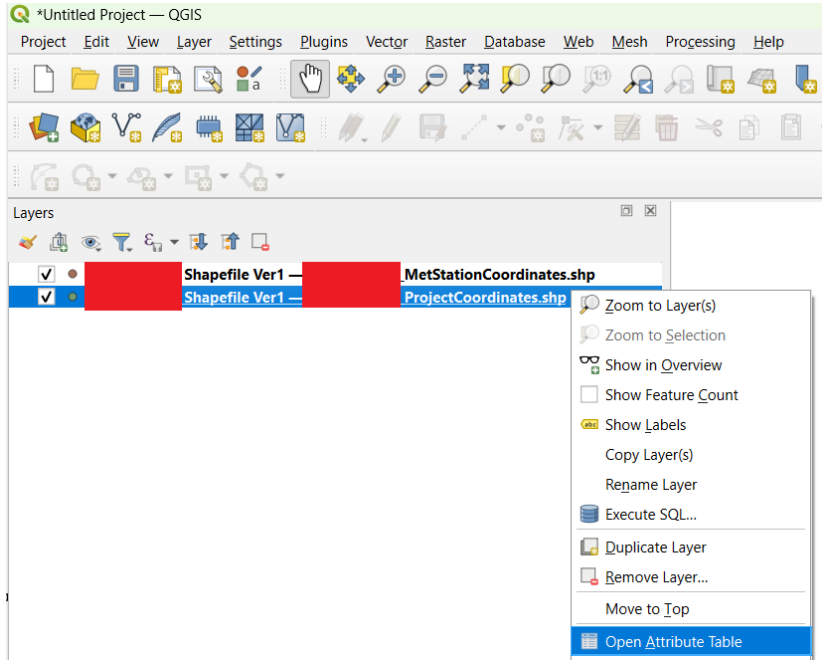
- Usually an issue with column formatting
  - Either incorrect name or order

To troubleshoot, open attribute table in GIS software

- Check columns are as expected, in expected order
  - **Project Coordinates:** “Latitude”, “Longitude”
  - **Met Station Coordinates:** “Met Statio”, “Latitude”, “Longitude”
  - **Turbine Info:** “Turbine ID”, “Turbine El” “Turbine He”, “Latitude”, “Longitude”

Your Upload Request failed due to the errors/omissions listed below. Correct and reupload the files

- Met Station Coordinates of the uploaded shape file, [redacted]_MetStation-Coordinates.dbf, has some issue. File not uploaded.



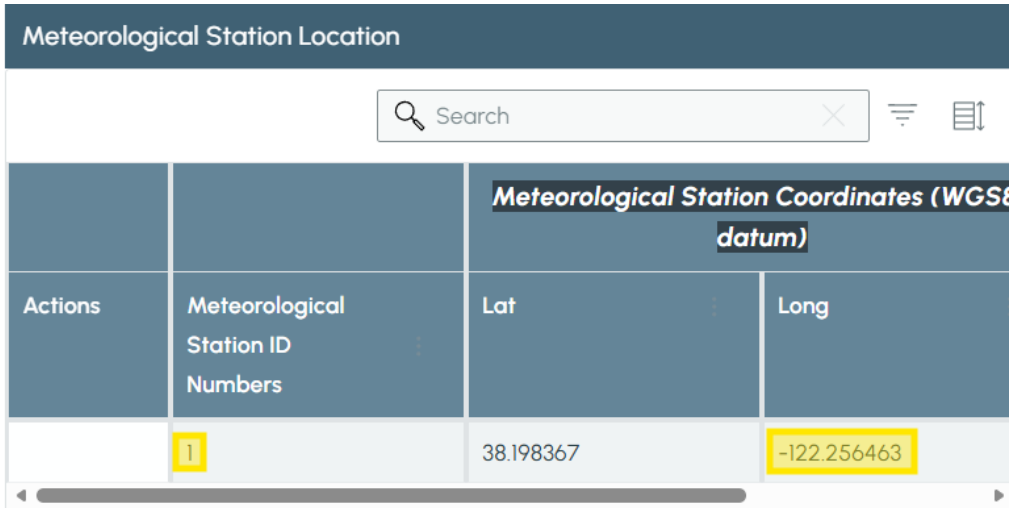
Shapefile Error message: Shapefile layer does not match project <Project Key> available in RIMS system

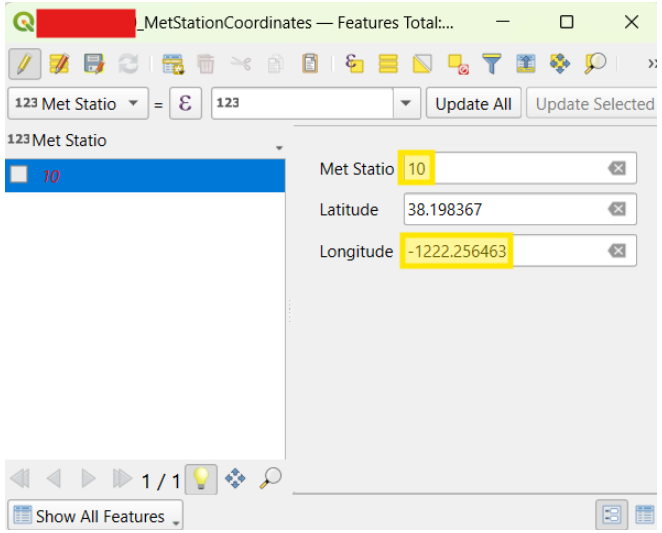
Error Message

> Your Upload Request failed due to the errors/omissions listed below. Correct and reupload the files
>
> - Met Station Coordinates of the uploaded shape file does not match with project [redacted] available in RIMS system. File not uploaded.

Troubleshoot Error Message: Open attribute table in GIS software

- Compare specified layer with information in STF Info
- Specify same number of decimal places in each





Shapefile Error: File(inside the zip file) does not belong to the project

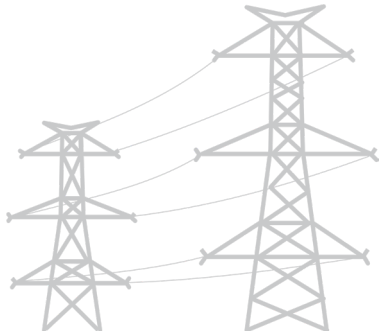
- Check naming of files within zip for incorrect project key
- Ensure naming matches expected convention, no extra spaces
  - E.g. “<Project Key>_ MetStationCoordinates.shp” throws error due to extra space

- Shapefile layer expected naming conventions:
  - **Corner Coordinates:** “<Project Key>_ProjectCoordinates”
  - **Met Station:** “<Project Key>_MetStationCoordinates”
  - **Turbine Info:** “<Project Key>_TurbineInfo”

VER Forecasting Stages

Stage 1

VER is not yet COD.
No forecast being produced



Stage 2

VER has reached COD.

- Not yet receiving ISO forecast
- SC submitted bid or schedule is primary market input
- SCs expected to submit bids/self-schedules that accurately reflect resource's expected output
- Notice sent outlining expectations upon reaching COD

Stage 3

CAISO forecast generated and sent downstream

- To transition to stage 3, forecasting requires a minimum of 30 days of good data(Generation, HSL for co-located/hybrid, Met data)
- No action needed from resource if good data is being provided
- With sufficient good data and confidence in test forecast performance, forecasting will start resource's move to stage 3
- SC will be notified when resource is moving to stage 3