

# DFS<sup>®</sup> | ESCOWare<sup>®</sup> DEMAND FORECASTING

Dive Deeper. View More. Risk Less.



Load forecasting requires accuracy in 3 critical areas:

## 1. MODEL ACCURACY

Whether you are interested in long term forecasting for hedging, or short term forecasting for scheduling, ESCOWare's algorithms will be spot-on.

Our self-learning model improves over time, providing you with pinpoint accuracy so that you can rest easy. Our backcast reports use actual weather results so that you can evaluate our model error rapidly.

## 2. WEATHER ACCURACY

No matter how good your models are, your customer load will be greatly affected by weather.

The ESCOWare DFS includes multiple weather feeds, which are compared to one-another. This provides you with an opportunity to see and select which weather source suits your needs on a market by market basis.

## 3. DATA ACCURACY

Once you have your model accuracy and your weather sources dialed-in, the final component in the mix is Data. The ESCOWare DFS has built-in reports and error correction algorithms for commonly found data errors. Whether you have duplicate accounts, or missing load profiles, we can help you clean your data and keep it clean.

The slightest fraction of an error can cost you tens of thousands of dollars per month...

**HOW DOES YOUR SYSTEM ADD UP?**

**escoware<sup>®</sup>**  
...energy understood



Electric DFS

## DFS has essential reports in 5 key areas:

<b>Load Forecast Reports Including:</b>	Forecast by zone / Forecast by portfolio / Schedule comparison
<b>Weather Reports Including:</b>	Multi-Weather Load Forecast / Extreme Weather Obligation / Weather Accuracy
<b>Financial / Position Reporting:</b>	Position Management / Monthly Hedge Recommendation / Obligation Position / MtM By Supplier / MtM by Trade Supply
<b>Customer Analysis:</b>	Customer Details / Distinct Account/Meters / Customer Volume Details
<b>Data Quality:</b>	Missing Load Profile / Duplicate Detection / No Usage Data / Profile Mismatch

*The following are just two examples of our most popular reports...*

### Extreme Weather Analysis



As we have all seen this past winter, extreme weather events can and will play a large role in the operation of your ESCO. The ESCOWare® Demand Forecasting System provides you with the peace of mind of knowing what your current forecast will look like during

these swings in the weather. You are provided with a forecast based on multiple different weather scenarios:

- 10 year average hourly weather
- Minimum 10 year hourly weather
- Maximum 10 year hourly weather
- Minus 1, 2, and 3 standard deviations from average
- Plus 1, 2, and 3 standard deviations from average

### Hedge Recommendation Reports



The ESCOWare® Demand Forecasting System will not only keep track of your existing Hedges, but can also give you detailed recommendations for placing additional hedges based on your predetermined risk policy parameters. The system will update these

recommendations daily, taking into account new starts/stops and weather forecasts that can have an effect on your forecast volumes and additional hedges that you have placed and entered into the system. These recommendations are shown on a weekly or monthly averaged basis and give you options for various different block types, including hourly shaped curves.



- Electric Forecasting & Risk Management
- Broker & Commission Management
- Natural Gas Operations & Optimization

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