Introducing ESP – DSM Module

The web-based Demand-side Management Modeling, Planning and Reporting Solution

Is your organization challenged with:

- Meeting growth targets cost-effectively with existing supply-side assets?
- Consistently performing the complex analysis required to model, justify and assemble long-term DSM programs and plans across different customer sectors?
- Tracking, evaluating and reporting the actual performance of DSM programs?
- Communicating DSM program benefits to stakeholders such as senior executives, ratepayers and regulatory bodies?

Then you need ESP, the leading web-based DSM Modeling, Planning and Reporting solution:

- Improve the rigor of your organization's DSM Program analysis, thus enabling you to confidently assemble your multi-year DSM Plans and report on actual performance.
- Demonstrate greater transparency and accountability in your communication with key stakeholders, thus increasing their confidence and acceptance of your long-term plans and funding requests.
- Increase modeling accuracy and consistency via multiple and concurrent user access to a single database.

Here's what our customers are saying about ESP:

"ESP will substantially improve the analytical foundation for our DSM decision-making relative to our previous experience with Excel workbooks."

John Duffy
Power Smart, BC Hydro

"ESP enables users to build and analyze a wide range of DSM programs, both straight-forward and complex. The insight it provides around the sensitivity of key variables is most useful, and it saves substantial time compared to traditional spreadsheet analysis. I have seen nothing like it in the industry."

Michael Weiss
ISE Consulting

ESP

DSM MODELING AND ANALYSIS

- Assemble DSM Programs by comparing different combinations of end-use devices, based on customer load shapes
- Model large projects
- Model impacts of legislative changes, time-based pricing, and load-shifting
- Forecast impacts for multiple commodities (e.g. electricity, gas, water)
- Run standard DSM tests (Utility Test, Rate Impact Test, Participant Test, Total Resource Cost Test) using both forecasts and actuals
- Perform powerful and insightful scenario, sensitivity and critical values analysis

DSM PLANNING

- Assemble long-term Plan Scenarios involving mixes of DSM Programs and alternatives
- Freeze, update, re-freeze, approve and un-approve DSM Plans
- Build Programs at department and account level to make budgeting more efficient

DSM REPORTING

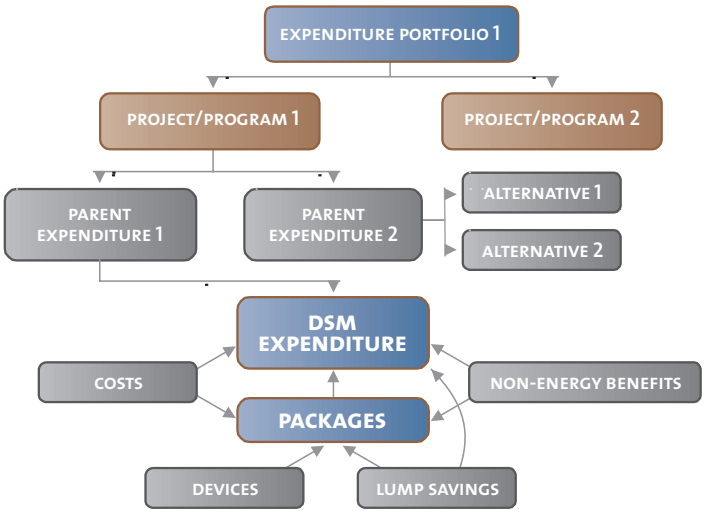
- Produce different types of reports (costs & lost revenues, benefits, resource savings, emissions impacts, cost-effectiveness)
- Track and report DSM Program actual costs and energy savings and cost effectiveness

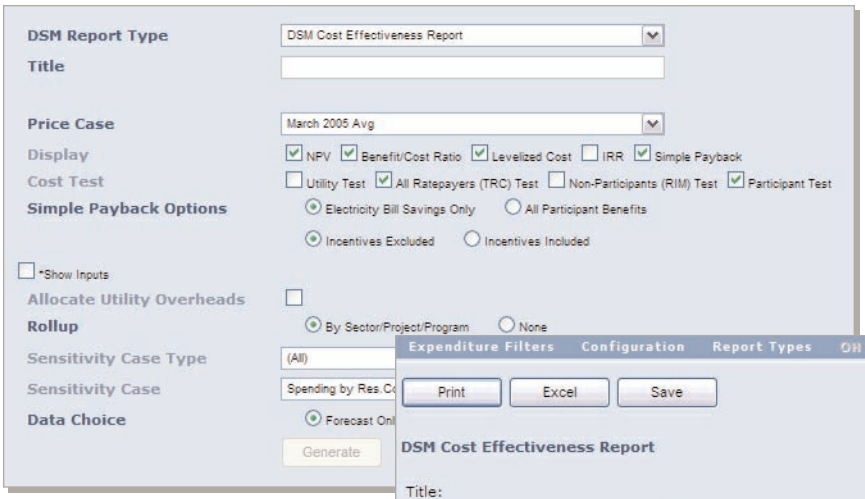
COPPERLEAF TECHNOLOGIES INC

See. Plan. Act.

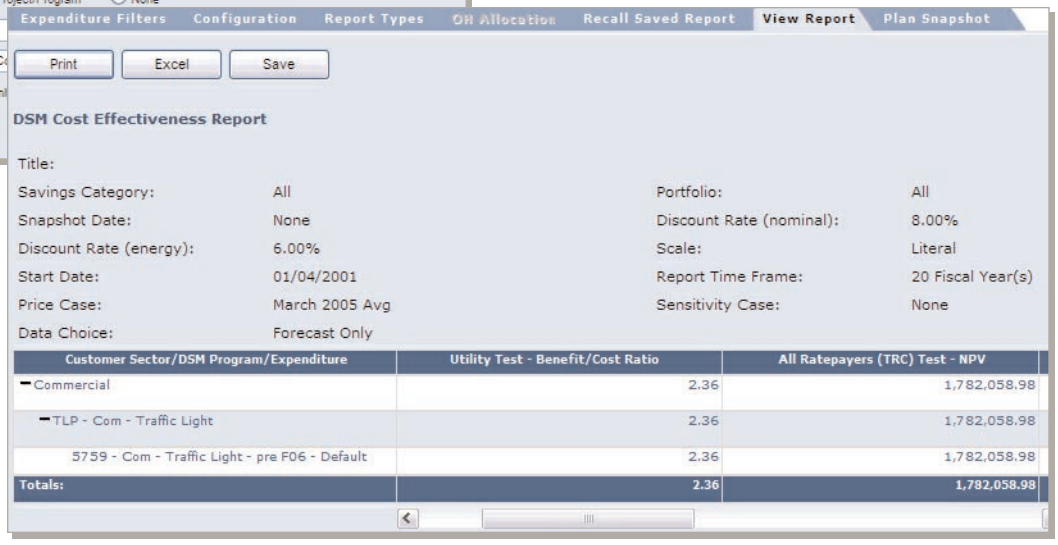
ESP – DSM Module Highlights

Assemble DSM Programs in a hierarchical structure. Create parent-child dependencies. Set up multiple alternatives to help you analyze which is best. Create end-use "devices" and deploy them in pairs to simulate retrofit or replacement situations, or instead forecast savings in lump fashion. Understand how assumptions surrounding future device replacements impact DSM Program cost-effectiveness. Create 'packages' of program components whose volume can be deployed in "expenditures" over multiple periods. Include line losses at distribution, intra and inter-regional transmission locations. Model "adjustment factors" such as free-ridership, cross-effects, and others.





Analyze DSM Programs using DSM-specific economic tests. Examine the impact of seasonal, regional and time-differentiated avoided cost streams and tariffs for different commodities. Run sensitivity analysis to understand key decision thresholds.



Break-down and isolate the cost-effectiveness of individual expenditures and their multiple alternatives, or look at aggregated results at Program, Customer Sector, and Portfolio levels. Identify and allocate overhead costs to individual DSM Programs.

FOR DETAILS, BOOK A DEMO TODAY

Get more information. Let us show you how ESP can address your organization's DSM planning challenges.

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