

## Capacity Contribution



**Landis+Gyr**  
manage energy better

*Gain Valuable Insight into Customers Contributing Significant Loads During Critical Peak Periods*

### Overview

Landis+Gyr's Advanced Grid Analytics Capacity Contribution Application allows utilities to use interval meter data to identify, locate and rank customers with high loads during system peaks. In an effort to reduce network peak loads, these customers may then be targeted for demand response or energy efficiency initiatives, as well as strategic placement of distributed energy resources.

Using interval meter data, the Capacity Contribution Application ranks premise meters based on contribution to system capacity during peak periods such as yearly, monthly, weekly and daily. Once top contributing meters are identified, they are presented to the user in a variety of views for easy, individually ranked customer identification.

The browser-based, dynamic user interface employs interactive geospatial, tabular and graphic formats while offering exportable reports, full integration of Google Maps™ mapping service and a network model overlay. The database and analytical capabilities allow interactive, color-coded, geographic display of all top contributing meters by location. The fully interactive, drill-down functionality provides detailed duration curve and load profile for individual meters.

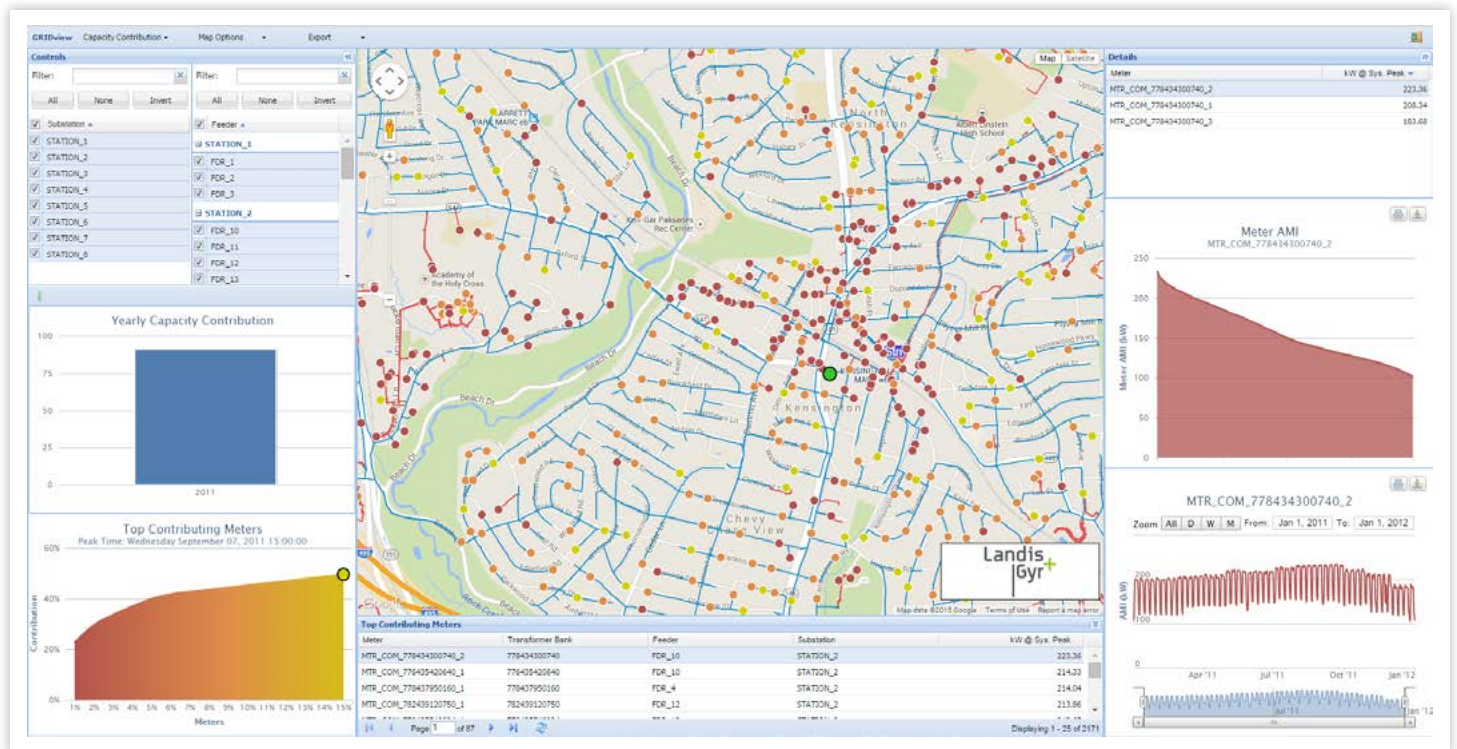
Utilities can use the Capacity Contribution Application to implement programs that help save demand charges and other related peak generation expenses. When coupled with Landis+Gyr's direct load control solution, the utility will now have an end-to-end solution for planning, placement, management and control of demand response programs.

### FEATURES & BENEFITS:

*Why Landis+Gyr makes a difference.*

- Identify peak loading or contributors to key distribution assets
- Target customer segments for demand response or energy efficiency initiatives
- Assist in developing targeted marketing campaigns
- Target demand reductions to avoid and defer capital investments
- Utilize MDM and AMI data to identify magnitude and location of customer loads
- Optimize CapEx and OpEx spending for load control and distributed generation projects

## Advanced Grid Analytics: Capacity Contribution



Sample Screenshot: Capacity Contribution Application – top contributing meters to system peak

### Platform

The grid analytics solution consists of a powerful enterprise platform and modular, web-based, user friendly applications. The platform enables utilities to leverage data integration, visualization and advanced algorithms for multiple analyses and benefits. Given the modular nature of the applications, as needs change or grow, the same platform and data can be utilized, leveraging economies of scale and eliminating data silos and the need to manage multiple vendor systems.

### People

Landis+Gyr's professional services team offers a unique combination of power system engineers, subject matter

experts, software and technology architects and integration specialists. By leveraging Landis+Gyr's proven and best in class implementation methodology and standard-based adapters, utilities can start realizing benefits quickly.

### Pathway

Landis+Gyr provides various deployment options that are cost-effective, robust, scalable and meet service levels now and in the future. The solution can either be deployed at the utility's data-center or hosted at Landis+Gyr's cloud-based, secure and SSAE-16 compliant Network Operations Center.

### Specifications

Supported Operating Systems	Windows or Linux
Recommended Memory	32GB RAM
Required Third Party Licensing	Google Maps API Corporate License and Optional Mongo DB Enterprise License
Interface Standards Supported	CIM, MultiSpeak, DNP3/ICCP, GIS Shape files and other file based formats
Pre-built Adapters	Landis+Gyr Command Center, USC and MDMS; CYME, ESRI GIS
Data Types Required	Meter load profile, KW intervals (15, 30 or 60 minutes), connectivity model

Phone: **678.258.1500**

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