

Don't stop at green. Go greener.

At the forefront of its industry, Neptune has long worked to provide not just the most efficient and most reliable products, but the most environmentally friendly as well.

NEPTUNE WAS LEADING WHEN OTHERS HADN'T GOTTEN THE LEAD OUT.

At the turn of the new millennium, Neptune Technology Group revolutionized the water meter industry with a "green" initiative: All its bronze water meters would now be manufactured from a no-lead alloy. It quickly followed up with an industry first, receiving NSF/ANSI 61 certification for residential, industrial, commercial, and institutional meters.

Since 2001, 43 states have enacted legislation requiring in-line and endpoint devices to meet both NSF/ANSI 61 requirements and the lead-free requirements of the Safe Drinking Water Act. On January 1, 2010, the State of California will begin enforcing a stricter definition of "lead free," while NSF International has developed its new "Annex G – Weighted Average Lead Content Evaluation Procedure to a 0.25% Lead Requirement."

Neptune Technology Group is leading the effort to meet this requirement, as NSF International has certified that Neptune T-10[®], HP Turbine, TRU/FLO[®] compound, HP Fire Service Turbine, Aquity, and HP PROTECTUS[®] III* meters are in compliance with Annex G.

By proactively developing no-lead and other green solutions, companies such as Neptune help ensure the health and safety of our drinking water and environment.

CAPTURING NON-REVENUE WATER

Growing communities. Aging infrastructures. Tighter control of resources. Managing Non-Revenue Water is more important than ever before – both on the supplier side and the customer side. To conserve this precious resource, utilities can now identify and address water loss in their systems to control costs and manage supply.

GETTING INTO "THE ZONE" WITH DMZ MONITORING

Neptune's ARB[®] FixedBase[™] AMI System provides time-synchronized midnight readings from every water meter in a utility's system, allowing utilities to

compare water produced versus water billed through District Metering Zone (DMZ) analyses. Discrepancies found within a district, or "zone," can indicate potential distribution system leaks.

LISTENING FOR LEAKS

Another way to locate potential leaks along the distribution line is by careful "listening." Neptune has combined its ARB FixedBase System with Fluid Conservation System's field-proven AMR Permalog[®] acoustic leak monitoring device. After early notification of distribution main leaks, utilities can repair them before a main breaks and causes the loss of millions of gallons of water.

CONSUMPTION ON THE CUSTOMER SIDE

To detect and measure leakage on the customer side of the meter, the ARB FixedBase System provides daily 24-hour consumption data – including E-CoderPLUS data such as intermittent leak, continuous leak, reverse flow, and zero usage detection. This information can easily be graphed and reviewed to identify abnormal or unauthorized consumption patterns that can prompt utility personnel to investigate.

For the first time, utilities have system-wide tools to identify and manage water conservation and Non-Revenue Water. This information is key in allowing them to save water, time, and money.

FEWER TRIPS TO THE FIELD LEAVE IT GREENER.

Finally, Neptune's ARB[®] Utility Management Systems[™] have helped to create a friendlier environment both for utility personnel and their customers. Utilizing ARB[®] Mobile[™], ARB[®] FixedBase[™] and ARB[®] Hybrid[™] Systems, utilities throughout North America are able to reduce tedious (and often dangerous) manual reads, as well as the number of utility trucks on the road. Not only does this leave fewer footprints in a customer's yard, it leaves a smaller carbon footprint everywhere else.

To learn more about how Neptune's Systems add to a greener outlook, call your local Neptune representative today. 