Standard EcoPower® Faucet
TEL3LS10 - Single Supply
TEL5LS10 - Thermal Mixing

Ideal for high-traffic commercial spaces, the TOTO Standard EcoPower sensor faucets provide an elegant water conservation solution for LEED option. Powered by water, EcoPower’s turbine creates an electrical current that is stored in rechargeable cells to power the Smart Sensor System of the faucet. The EcoPower faucet is available in a single supply or a thermal mixing option.

Features & functionality
EcoPower® sensor faucet with aerated flow
Maximum 0.09 gallons per cycle
Hydropower self-generating system
Smart Sensor sets its own range; no adjustment required
On demand, up to 10 seconds while activated
Easy access screen for quick and easy cleaning
Self-adjusting faucet with control box and mounting hardware, less supply lines
1/2” water supply, male threaded
Single-hole mount
ADA compliant

Environmental performance
Improved by:
- Powered by the sheer force of running water
- Cleaner restrooms, significant water savings
- Metal parts and electric components are recyclable at the end of service

Certifications & rating systems:
CALGreen® compliant

Visit TOTO for more product specifications for:
TEL3LS10, TEL5LS10

CSI MasterFormat™ #22 42 39

Performance Dashboard
LCA results & interpretation

**Scope and summary**

TOTO’s EcoPower products are powered by the force of running water during the operation of the product. The use stage impact is mostly due to the water used during the use of the product. The recovery stage includes recycling processes correlated to the cradle-to-gate (i.e. production stage) impacts. These deviations in the LCA results are highly correlated to the water use during the use phase.

**What's causing the greatest impacts?**

The production stage is dominating the results for most impact categories. The most significant contributions come from the materials and processes used in the production stage, as well as the energy used in the production of the materials. The use stage impact is mostly due to the water used during the use of the product. The recovery stage includes recycling processes correlated to the cradle-to-gate (i.e. production stage) impacts. These deviations in the LCA results are highly correlated to the water use during the use phase.

**Materials**

- **LCA Background Report**
- **Green Globes for New Construction and Sustainable Interiors**
- **Sustainable Building Technologies for a Better Future**

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**Impact Category Unit**

<table>
<thead>
<tr>
<th>Impact Category</th>
<th>Unit</th>
<th>Production</th>
<th>Construction</th>
<th>Use</th>
<th>End of Life</th>
<th>Recovery</th>
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<tr>
<td>Water consumption</td>
<td>mPts/yr</td>
<td>+5.61e+06</td>
<td>+1.80e+04</td>
<td>-3.43e-01</td>
<td>-9.41e-03</td>
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<tr>
<td>Water consumption</td>
<td>mPts/yr</td>
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<tr>
<td>Energy use</td>
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<tr>
<td>Human health damage</td>
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<td>-1.67e-02</td>
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<tr>
<td>Ecological damage</td>
<td>mPts/yr</td>
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<td>-1.67e-02</td>
<td>1.67e-02</td>
<td>1.67e-02</td>
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<tr>
<td>Smog</td>
<td>kgO3 eq</td>
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<td>+7.85e-02</td>
<td>+2.12e+00</td>
<td>-3.43e-01</td>
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<tr>
<td>Respiratory effects</td>
<td>kgPM2.5 eq</td>
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<tr>
<td>Eutrophication</td>
<td>N eq</td>
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<td>Fossil fuel depletion</td>
<td>MJ surplus</td>
<td>-5.91e+03</td>
<td>+7.84e-04</td>
<td>-9.41e-03</td>
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<td></td>
</tr>
</tbody>
</table>

**TOTO’s EcoPower products are now certified for use in San Francisco Bay Area.**

**LCA results**

**Information**

- **TOTO Sanitary Fittings Products LCA Background Report (public version),**
- **TOTO Sanitary Fittings Products LCA Background Report (public version),**
- **TOTO Sanitary Fittings Products LCA Background Report (public version),**

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**Path B: Prescriptive Path for Interior Fit-outs**

**NC**

- **3.5.1.2 Path B: Prescriptive Path from Building Core | Green Globes for New Construction and Sustainable Interiors**
- **SM Transparency Report product credit values:**
  - **A difference greater than 10% is considered against the average are indicated in purple ; differences greater than 20% are indicated in red. A difference greater than 10% is considered**
  - **against the average are indicated in purple ; differences greater than 20% are indicated in red. A difference greater than 10% is considered**
  - **against the average are indicated in purple ; differences greater than 20% are indicated in red. A difference greater than 10% is considered**

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**Environmental damage**

- **Ecological damage**
- **Human health damage**
- **Smog**
- **Respiratory effects**
- **Eutrophication**
- **Fossil fuel depletion**

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**SM Transparency Report**

- **Path A: Guideline Path**
- **Path B: Prescriptive Path**
- **NC**

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**Investigation**

- **TOTO Sanitary Fittings Products LCA Background Report (public version),**
- **TOTO Sanitary Fittings Products LCA Background Report (public version),**
- **TOTO Sanitary Fittings Products LCA Background Report (public version),**

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**References**

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**Contact**

- **TOTO USA**
- **789 N Dixboro Rd Ann Arbor, MI 48105, USA**
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- **789 N Dixboro Rd Ann Arbor, MI 48105, USA**
TOTO’s Standard EcoPower® Faucets feature the highly regarded EcoPower technology. Engineered to reduce environmental impacts, TOTO’s EcoPower products offer water and energy savings without sacrificing performance. Below are some of the features of TOTO’s EcoPower technology.

**Construction**

TOTO participates in the UPS Carbon Neutral program. TOTO is a certified SmartWay partner.

**Use**

SENSOR:
Located in the nose of the faucet, the EcoPower sensor assures that water flows only when needed. The detection zone is right where you need it, eliminating the need to search with your hands to activate the flow of water. The sensor will stop the flow of water immediately upon removal of the hands from the sensing zone, preventing wasted water.

MICROTURBINE:
TOTO’s EcoPower technology enables the product to operate 100% off grid. As water flows, the hydro-powered microturbine recharges the capacitors for the sensor and solenoid. Less reliance on the back-up battery results in much less battery waste.

SOLENOID:
The solenoid mechanism, a water-saving technology, maintains consistent flow rate under a range of supply pressures.

Using the same proven engineering as our legendary EcoPower TEL3/5G series, the low flow TEL3LS10 and TEL5LS10 reinforce TOTO’s performance reputation while offering additional water savings.

Metal and electronic parts can be recycled at the end of life.

Validity: 10/18/14 – 10/18/17

The LCA and Report are independently verified and certified to the SM Transparency Report Framework and ISO 14025.

©2013-2015
Verifications:

- Third party verified
- Self-declared

**LCA Scope**

- Cradle to grave
- Cradle to gate with options
- Cradle to gate

For more information, please contact us at 734 769 8010.

www.nsf.org

Contact us