

Policy Recommendation : Mascot Steel

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Policy

Install a Water Recycling Scheme to reduce daily water consumption by 95% by 2025.

Details

- The policy aimed at reducing water usage.
- The policy will not impact day-to-day operations.
- The policy will reduce costs whilst helping to tackle the threat to water access presented by the climate emergency.

Nesscessity

- Decreasing resource and water supply.
- Increasing costs.

Advantages

- Lowers Avg. water consumption.
- Attracts a wider range of customers.
- Differentiate from competitors.
- Increase sustainability.
- Cope with the rising costs.
- Drought-proof water supply.

Impact & Effect

- High Pressure Deburring
- Chemical Deburring

Examples of Competitors

Superior Steel Fabrication

- Less than 70 gallons are consumed. Water is continuously reused and recycled.

Blue Scope

- Fresh and recycled water use has been reduced by 8% from the year 2016 to 2018.

Actions

- Filter water from metal during cutting, blasting, and deburring.
- Any cut metal that produces suspended particulate which is solubilized can be filtered to remove particulates. The wastewater can then be recycled for the cutting operation.
- To reuse water from fabrication processes that are cool enough. Water that has not absorbed heat to its full potential can be reused in deburring or other processes such as floor cleaning.
- Evaporation avoidance and leak prevention are two ongoing efforts to minimize water usage.

