



POWERSTEP - Online application

Online application for free energy audits of your wastewater treatment plant (1/4)

Welcome to the online application for a free energy audit for your wastewater treatment plant! This service is offered within the demonstration project POWERSTEP (www.powerstep.eu) which is funded by the Horizon2020 programme of the European Commission (Grant agreement #641661). There are 10 tickets for a free audit available, which will be distributed between all applicants based on selected criteria. The online application will be open until 30. November 2016.

Filling out the form below, you will apply for an energy audit ([link to slides](#)) of your wastewater treatment plant to check its energy balance and propose potential improvements based on the POWERSTEP concept. As a result of the audit, you will get detailed information on the current energy profiles (electricity/heat demand and production) of your wastewater treatment plant, and also information on specific measures to improve the energy balance and mitigate associated greenhouse gas emissions using the innovative technologies demonstrated in POWERSTEP.

When applying for this audit, you agree to deliver the relevant data for this audit to the POWERSTEP project team which will carry out the energy audit. All data will remain fully confidential within the POWERSTEP project team. Roles and duties of the participants of the audit and the POWERSTEP team will be clearly fixed in a cooperation agreement ([link to cooperation agreement](#)).

The audits will be carried out in the period Jan 2017 – Dec 2017 by the industry partner Veolia, using their energy audit software OCEAN. If you have any questions regarding the audit procedure, please contact Dr. Christian Remy of Berlin Centre of Competence for Water at christian.remy@kompetenz-wasser.de or +49 30 53653 808.

Are you ready to take the next POWERSTEP for your energy balance?

Contact information:

* 1. Name of Municipality?

* 2. Is your municipality a member of the following networks for energy efficiency and climate action?

- European Energy Award (EEA)
- Covenant of Mayors
- Climate Alliance
- ICLEI - Local Governments for Sustainability
- Energy Cities
- No member
- I don't know

Other:

* 3. Name of wastewater treatment plant?

* 4. Operating company?

* 5. Contact information of applicant:

Name	<input type="text"/>
Company/position	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>

* 6. Contact information of WWTP operator (= contact person at the WWTP):

Name	<input type="text"/>
Company/position	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>

7. Comments

Size and technology of the wastewater treatment plant:

* 8. Design capacity? (population equivalent based on COD load)

* 9. Actual load? (population equivalent based on annual COD load)

10. Maximum dry weather flow? (L/s)

11. Maximum wet weather flow? (L/s)

12. Fraction of industrial contribution in influent wastewater?

- <10%
- 10-30%
- 30-60%
- >60%

* 13. Technology of water treatment:

- Primary treatment (sedimentation)
- Activated sludge process
- with biological nutrient removal
- Continuous flow process
- Two-stage activated sludge system
- Sequencing batch reactor
- Trickling filter
- Filtration as post-treatment

Other

* 14. Technology of sludge treatment

- Digester
- Combined heat and power (CHP) plant
- Addition of co-substrates (e.g. fats, food waste, ..)
- Drying of sludge
- Incineration on-site

Other

15. Comments

Energy demand and production at the WWTP:

* 16. Annual demand of electricity at the entire WWTP? (gross kWh/a)

* 17. Annual production of electricity at the entire WWTP? (gross kWh/a)

* 18. Electricity price for purchasing grid electricity (incl. VAT):

- <10 €-cent/kWh
- 10-15 €-cent/kWh
- 15-20 €-cent/kWh
- > 20 €-cent/kWh

Comments

Discharge limits for the WWTP effluent (if applicable):

19. Discharge limits for total suspended solids? (mg/L TSS)

20. Discharge limits for total BOD5? (mg/L O₂ as BOD5)

21. Discharge limits for total COD? (mg/L O₂ as COD)

22. Discharge limits for nitrogen? (mg/L total nitrogen or inorganic nitrogen)

23. Discharge limits for phosphorus? (mg/L total P)

24. Comments:

Online application for energy audits of your wastewater treatment plant (4/4)

25. General comments of the applicant:

* 26. I would like to receive the POWERSTEP newsletter and be informed of POWERSTEP events

YES

NO

Comments

Thank you for your application for the POWERSTEP energy audits!

Your data will be kept confidential within the POWERSTEP project. We will distribute the available tickets for the energy audit between all participants of the survey based on selected criteria. We will get back to you in the first quarter 2017 with the results of your application.

In case of any questions, please contact Dr. Christian Remy of Berlin Centre of Competence for Water: christian.remy@kompetenz-wasser.de or +49 30 53653 808.

Please click below to send your application!