

6. Conclusion

It has been shown that the problem of selecting the technologically most appropriate variant of the water supply systems, taking into consideration a big number of criteria, can be elegantly solved by using of the multi criteria methods. In this case, the multi criteria method Promethee was applied as one of the most suitable for solving various engineering problems. In any case, further research requires more detailed and complex analysis of the problem. First of all, economic analysis should be conducted. Next step is using of other multi criteria methods, expansion of input criteria, sensitivity analysis of the change in importance/weight of individual parameters, and engaging a large number of experts from different fields in the expert group that defines and analyzes the multi-criteria analysis. Strong SWAT analysis should also support further research work.

7. References

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