

SYNC 3.0 Zero-Waste Data Center

Final Municipal Review Version for Site Upload

This final municipal draft incorporates seven source PDFs and is optimized for public-interest review, enforceability, metrology integrity, seasonal adequacy, and phased validation realism.

1. Final municipal takeaway

The seven-source set supports a stricter and more mature municipal reading than earlier versions. The concept should be reviewed not as a generic efficiency project but as a claim of enforceable non-rejection under real seasonal conditions. The final added sources strengthen this review posture by adding more concrete implementation detail, more explicit standards references, and a quantitative uncertainty model for timing and delivery. [ZTD.Audit.pdf] [Claudesonnet5ZTA.pdf] [Minimax2.7thermaleng.pdf] [Minimax 2.7 ZWD simulation 1.0.pdf]

2. Final municipal expectations implied by the full source set

Review expectation	Final reading
Honest recovery accounting	Source-side / evaporator-side recovery accounting should govern compliance where heat pump
Emergency-only rejection	Any atmospheric bypass should be interlocked, logged, and treated as exceptional rather than
Seasonal adequacy proof	Applicants should show enough winter and summer sink capacity, not just conceptual future of
Storage realism	ATES / BTES reliance should be supported by hydrogeological evidence and maturation assumpt
Validation rigor	Commissioning, provocative interlock testing, and multiday or multimonth operational verificat
Planning realism	Public schedules and milestones should reflect uncertainty bands rather than only best-case av

3. What the final added sources improve for municipal review

- A more explicit 48-month phased implementation and certification trajectory.
- Clearer compliance alignment with energy and environmental management standards.
- A stronger basis for saying that public claims should survive provocative interlock testing, not just paper review.
- A quantitative basis for asking whether promised timelines and budgets have adequate contingency.

4. Final recommended municipal stance

The strongest final review stance is conditional approval based on corrected metrology, demonstrated sink adequacy, explicit emergency-bypass governance, retained audit rights, and staged commissioning evidence. The added simulation source further suggests that oversight milestones should be paired with schedule buffers and contingency logic rather than with optimistic fixed dates alone.

For website publication, this final municipal version should make clear that the public-interest standard is not whether the project says the right things, but whether it can be measured, enforced, and sustained under summer mismatch conditions. [All seven source PDFs.]

Appendix A. Source links

[NorthZTASync3.1.pdf](https://www.genspark.ai/api/files/s/U5fsjEAu): <https://www.genspark.ai/api/files/s/U5fsjEAu>

[ZTD.Audit.pdf](https://www.genspark.ai/api/files/s/dE8CBcJl): <https://www.genspark.ai/api/files/s/dE8CBcJl>

[ZTAUDIT - half.pdf](https://www.genspark.ai/api/files/s/yhATUY8n): <https://www.genspark.ai/api/files/s/yhATUY8n>

[Data Center Heat Recovery Optimization.pdf](https://www.genspark.ai/api/files/s/e98b4luo): <https://www.genspark.ai/api/files/s/e98b4luo>

[Claudesonnet5ZTA.pdf](https://www.genspark.ai/api/files/s/aRbWBBRm): <https://www.genspark.ai/api/files/s/aRbWBBRm>

[Minimax2.7thermaleng.pdf](https://www.genspark.ai/api/files/s/wPqsKdiU): <https://www.genspark.ai/api/files/s/wPqsKdiU>

[Minimax 2.7 ZWD simulation 1.0.pdf](https://www.genspark.ai/api/files/s/49QezxCQ): <https://www.genspark.ai/api/files/s/49QezxCQ>