LONG ISLAND
WATER QUALITY
CHALLENGE

Final Proposal Checklist

Due February 5, 2027 by end of day

Use this checklist with the Project Proposal Overview and Requirements and Scoring Rubric to review your team's proposal before submission.

Required proposal components

☐ **Cover page** — School name and address, teacher/advisor, grade level, student team members, and contact information.

☐ **Problem statement** — Identify stormwater runoff, flooding, or both; explain the causes, pollutants involved, and why the issue matters. Support conclusions with scientific research and site-specific evidence.

☐ **Site selection and existing conditions** — Identify the exact location on school grounds or within the local community and why it was selected. Research existing stormwater infrastructure, such as drains, pipes, culverts, gutters, and downspouts. Document signs of poor drainage, flooding, erosion, or pooling water; identify where pollutants could enter the site; and trace where water flows and how it may carry pollutants to surface water or groundwater.

☐ **Before visual** — Include a map, Google Earth image, GIS image, or drawing that shows existing conditions and evidence of the problem.

☐ **Proposed solution** — Describe the green infrastructure redesign or innovative solution, how it works, its scientific basis, why it fits the site, how it would reduce stormwater runoff and/or flooding, and how it would reduce pollutant transport into Long Island's waterways or groundwater.

☐ **Design details and feasibility** — List all materials needed and relevant measurements, estimates, data, or calculations. Address whether the design could realistically be implemented at the site.

☐ **Evaluation plan** — Explain what observations or data would be used after implementation to evaluate reductions in runoff, flooding, and pollutant transport.

☐ **After visual** — Include a labeled visual showing the proposed redesign or innovation at the site.

☐ **Expected project impact** — Describe anticipated water quality improvements, reduced runoff and/or flooding and pollutant transport, environmental and ecological benefits, educational uses, and long-term sustainability.

☐ **Long Island Watershed Program alignment** — Explain how the project supports the goals of the Long Island Watershed Program.

☐ **Conclusion** — Re-state the chosen site and proposed design solution. Briefly explain how the design improves the current situation.

☐ **References** — Cite all scientific information, data, maps, and websites used. Proposals that use Long Island specific or regionally relevant resources score higher. Include additional visuals where they help explain the project.

LONG ISLAND
WATER QUALITY
CHALLENGE

LONG ISLAND
WATER QUALITY
CHALLENGE

Format and Submission Review

Submit your complete proposal as one PDF to Rachel Titus at rtitus@lirpc.org by end of day on February 5, 2027. Use the checks below to prepare and email your submission.

File preparation

☐ Prepare one PDF containing the cover page, written proposal, before and after visuals, and references.

☐ Use a descriptive filename, such as your school name.

Email submission

☐ Email the complete proposal to Rachel Titus at rtitus@lirpc.org by end of day on February 5, 2027.

Questions about submission arrangements can be directed to Rachel Titus at rtitus@lirpc.org.