

Comhairle Contae Thiobraid Árann Thuaidh
North Tipperary County Council

WATER SERVICES INVESTMENT PROGRAMME

ASSESSMENT OF NEEDS REPORT

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Director of Services,
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“Working with the Community”



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WATER SERVICES INVESTMENT PROGRAMME.

ASSESSMENT OF NEEDS.

1.0 Introduction.

The Assessment of Needs for North Tipperary County Council including the Town Councils of Thurles, Nenagh and Templemore has been prepared considering the requirement of Department of the Environment, Heritage and Local Government Circular L2/06. This circular requires each Local Authority “...to develop an overall strategic investment plan for the area concerned for the medium to long term and to set out a programme of works to meet the identified water services need”.

Circular L2/06 requires the Local Authority to prepare: -

- a summary account of the achievements of the water services investment programme for the area concerned since the last assessment of needs was undertaken in 2003,
- an outline of the general approach to meeting the identified water services needs over the period 2007 to 2009,
- an examination, from a strategic perspective, of the main requirements for water services investment over the period 2010 to 2014,
- details of the programme of works – projects costing greater than €635,000 – required to meet the identified water services needs,
- an estimate of the overall cost of the programme of works, broken down by project where this is possible, and
- a description of the objectives of the investment in terms of outcomes sought and specific outputs required

The preparation of this Assessment takes account of The Rural Water Strategy, Development Plans, National Spatial Strategy, National Water Study, National Urban Waste Water Study, National Sludge Strategy, Serviced Land Initiative, relevant EPA reports, Sludge Management Plan, Rural Towns and Villages Programme, The Lough Derg Monitoring Programme and River Basin District Management Projects along with statutory requirements and standards.

The plan is a follow on to the 2003 Assessment of Needs drafted under the requirements of Department Circular L11/03. The plan sets out the needs for North Tipperary up to 2014.



2.0 Assessment of Previous Programme – 2003 to 2006.

Table 1 below outlines the advancement of schemes during the last three years. The Council has completed schemes to the value of €12.76M with a further €95.316M of schemes at an advanced stage.

Location	Description	Estimate €M	Status
Templemore	Sewage Treatment Plant DBO, Collection System Upgrade	4.00 1.78	At tender stage Completed 2006
County	Rural Water Scheme Program	9.40	Completed 2003-2006
Thurles Town	Sewage Treatment Plant Improvements	2.42	At Tender Stage
Thurles	RWSS Treatment Plant DBO, RWSS Distribution System	14.00 21.70	C.D's near completion C.D's near completion
Newport	RWSS Treatment plant & distribution network upgrade	5.04	C.D's near completion
Ballina	Sewerage Treatment Plant Upgrade	1.33	Appoint Consultants
Nenagh	Sewerage Treatment Plant Upgrade	2.10	Consultants appointed
Newport	Sewerage Treatment Plant & Network Upgrade	4.08	Appoint Consultants
North West	Regional Water Supply Scheme	15.30	Appoint Consultants
Roscrea	RWSS Upgrade Capacity	1.05	Consultants appointed
Roscrea	Sewerage Network Upgrade	1.58	Appoint Consultants
Thurles	Sewerage Network Upgrade	3.15	Appoint Consultants
Borrisoleigh	Sewage Treatment Plant Improvements	2.10	P.R. Review
Rural Villages	DBO Wastewater Treatment	10.0	At construction
Nenagh Town	SLI – N52 Ringmain	0.65	Completed 2004
Roscrea	SLI – Knock Road	0.93	Completed 2006
Roscrea	SLI – Whitepark	0.236	At Tender Stage
County	Sludge Management	3.15	Appoint Consultants to implement plan
Cloughjordan, Dromineer, Rearcross, Silvermines	Sewerage Treatment Plant Upgrade	4.08	Appoint Consultants
	Total	108.076	

Table 1 2003-2006 Programme Advancement

3.0 Water Services Needs 2007-2014.

The report outlines below the water services needs for the period 2007-2009 (Table 2) and the period 2010-2014 (Table 3). Items 3.3 to 3.10 outline under the various headings the general and strategic approach to meeting the needs and main requirements identified.

3.1 Water Services Needs 2007-2009.

The schemes identified to meet the water services needs over the period 2007-2009 are included in Table 2. Some of the schemes are well advanced and the new schemes identified include work such as new treatment plants, new collection and distribution systems, plant upgrading and network upgrading throughout the County. The three schemes, Templemore Sewerage, North Tipperary Sludge Management and Thurles Sewerage (Treatment Plant Improvements), are assigned a construction start date under the 2005-2007 investment program and are not included in this assessment of needs.

Location	Description	Estimate €M	Status
Thurles	RWSS Treatment Plant DBO, RWSS Distribution System	14.00 21.70	C.D's near completion C.D's near completion
Newport	RWSS Treatment plant & distribution network upgrade	5.04	C.D's near completion
Ballina	Sewerage Treatment Plant Upgrade	1.33	Appoint Consultants
Nenagh	Sewerage Treatment Plant Upgrade	2.10	Consultants appointed
Newport	Sewerage Treatment Plant & Network Upgrade	4.08	Appoint Consultants
North West	Regional Water Supply Scheme	15.30	Appoint Consultants
Roscrea	RWSS Upgrade Capacity	1.05	Consultants appointed
Roscrea	Sewerage Network Upgrade	1.58	Appoint Consultants
Thurles	Sewerage Network Upgrade	3.15	Appoint Consultants
Borrisoleigh	Sewage Treatment Plant Improvements	2.10	P.R. Review
Cloughjordan, Dromineer, Rearcross, Silvermines	Sewerage Treatment Plant Upgrade	4.08	Appoint Consultants
County	Rural Water Program	*6.00	Ongoing yearly
Roscrea	SLI – Whitepark	0.25	At Tender
Templemore	SLI - Kiltillane	*1.10	Need Identified
Templemore	Templemore RWSS Upgrade Capacity	*2.00	Need Identified
Ballina	Extension to treatment plant	*4.00	Need Identified
	Total	88.86	

*Provisional figure only

Table 2. 2007 – 2009 Scheme Advancement

3.2 Water Services Needs 2010-2014.

The schemes identified to meet the water services needs over the period 2010-2014 are included in Table 3. The new schemes identified include work such as new treatment plants, new collection and distribution systems, plant upgrading and network upgrading throughout the County. The new schemes form the basis for the strategic development of the County.

Location	Description	Estimate €M	Status
County	Rural Water Program	*10.00	Ongoing yearly
Thurles Town	Sewerage treatment plant extension	*4.00	Need Identified
Templemore Town	Sewer Network upgrade	*1.00	Need Identified
Nenagh Town	Sewer Network upgrade	*1.50	Need Identified
Ballina	Sewer Network Upgrade	*1.30	Need Identified
Rural Villages	10 No. Wastewater Treatment & Collection Systems	*20.00	Need Identified
Puckane, Toomevara, Borrisokane, Holycross, Two-Mile-Borris, Templetuohy, Littleton, Portroe, Newtown,	Upgrade Sewerage Treatment Plant	*9.00	Need Identified
County	Telemetry	*1.00	Need Identified
	Total	47.80	

* Provisional figures only

Table 3. 2010 – 2014 Scheme Advancement

3.3 Water Supply.

There are generally eight regions in North Tipperary for the purposes of public water supplies, Thurles, Nenagh, Templemore, Roscrea, Borrisokane, Kilcommon Area, Newport and the North-West. The primary objectives are:

- to establish these eight regional schemes;
- construct new schemes as part of this process
- increase capacity and improve quality and reliability to all areas.

The schemes currently being advanced are:

- Thurles RWSS
- Newport RWSS Stage 2
- North West RWSS
- Roscrea RWSS upgrade capacity

Long term needs are identified in Table 3.

3.4 Wastewater Treatment.

The schemes identified to meet the wastewater needs in the County for the two periods are outlined in Tables 2 & 3. The schemes currently being advanced are:

- Ballina Treatment Plant Improvements,
- Nenagh Treatment Plant Extension,
- Roscrea Network Upgrade,
- Thurles Network Upgrade,
- Newport Treatment Plant & Network Upgrade
- Cloughjordan, Dromineer, Rearcross, Silvermines Treatment Plant Upgrade
- Borrisoleigh Treatment Plant Improvements
- The Rural Villages DBO Treatment Plants.

The two schemes, Templemore Sewerage and Thurles Sewerage (Treatment Plant Improvements), are assigned a construction start date under the 2005-2007 investment program and are not included in this assessment of needs.

3.5 Sludge Management.

The Sludge Management Plan for the County is complete. The figure of €3.15M in Table 2 above is to implement the plan. North Tipperary County Council is required to produce sludge that has a beneficial re-use. The Plan outlines the various options open to the Council to meet its requirements and the cost includes hub centres, transport costs and storage facilities. The Council are currently appointing Consultants to implement the Plan.

3.6 Water Conservation.

Under the National Water Conservation Programme, the DEHLG are providing funding to North Tipperary County Council. Expenditure under the programme falls into three stages :-

- Stage I puts in place water management systems,
- Stage 2 establishes the basis for proper leakage control
- Stage 3 involves infrastructural renewal and rehabilitation.

The study of the Nenagh, Thurles, Roscrea and Newport Regional Water Supply Schemes is complete and Consultants are about to commence the study on the 15 Public Rural Schemes.

Funding for Water Conservation comes under separate guidelines from the DEHLG and the Council have submitted an application in February 2006 for funding to the value of €32.50M to complete the stages.

3.7 Rural Sewerage Scheme Programme.

Listed hereunder is the number of villages (28 no.) that have no wastewater treatment facilities.

- | | |
|------------------------|---------------------|
| 1. Aglish. | 16. Dolla |
| 2. Ardcroney. | 17. Drom. |
| 3. Ballinaclough. | 18. Drombane. |
| 4. Ballinahinch. | 19. Garrykennedy. |
| 5. Ballinderry. | 20. Gortagarry. |
| 6. Ballingarry. | 21. Horse & Jockey. |
| 7. Ballycahill. | 22. Kilbarron. |
| 8. Ballycommon | 23. Kilcommon. |
| 9. Birdhill. | 24. Killoscully |
| 10. Bouladuff/The Ragg | 25. Knock. |
| 11. Carrig. | 26. Moycarkey |
| 12. Carrigahorrig. | 27. Moyne |
| 13. Castleiney. | 28. Templederry |
| 14. Clonakenny. | |
| 15. Cloneybrien. | |

Work on four villages, Terryglass, Upperchurch, Clonmore and Loughmore, are currently at construction stage under the Seven Villages Project.

The Council are completing a pilot STEDS (Septic Tanks Effluent drainage System) project in Kiltillane, Templemore as an addition to the Seven Villages Project. The system will examine low cost technology methods for treating effluent discharges for housing clusters.

Ten villages are included in the 2010-2014 program for wastewater schemes. The need in the villages will be based on planning and development demands, size, tourism, ground problems, location, treatment options (e.g. constructed wetlands), local initiative and local needs.

3.8 Rural Water Scheme Programme.

Stage I of the Strategic Rural Water Plan was completed in 2000. This Stage identified rural water needs, assessed existing supply networks, prioritised investment and formulated a strategy for delivery. Stage II of the Plan is in progress. This will detail each Group Water Scheme and prioritise addressing water quality/quantity issues in each scheme with options. The options chosen could be connection to council mains, connection to existing GWS, develop new source and develop DBO and O&M contract schemes or other.

The Rural Water Programme is ongoing and can be divided into three categories:-

1. Group Scheme Capital Grants;
2. Group Scheme Take-Over; and
3. Small Public Water and Sewerage Schemes.

The total amount spent under this programme (2003-2006) is €9.40M. An estimated sum has been included in Tables 2 & 3 for the periods 2007-2009 and 2010-2014.

3.9 Serviced Land Initiatives.

Serviced Land Initiative proposals are outlined in Table 2 and include areas in Roscrea and Templemore. The scheme in Roscrea is at an advanced stage. The estimated figures refer to the full cost of the schemes.

3.10 Telemetry.

This Council sees the need in the future to install an appropriate SCADA system to all treatment plants, whereby operation of each plant can be monitored at a central control station. A provisional figure of €1m is included in this section.

4.0 County Priority.

Appendix 1 gives a Countywide priority list of water, wastewater and sludge management schemes for the period 2007-2014. It gives an outline description of each scheme with a cost estimate.

5.0 Summary.

The report outlines the achievements of the water services investment programme over the previous three years and identifies the water services needs over the periods 2007 to 2009 and 2010 to 2014. The Council has completed schemes to the value of €12.76M with a further €95.316M of schemes at an advanced stage. The County priority list is outlined in Appendix I with a total programme of €136.66M. This investment programme will yield the necessary objectives and outputs required for the strategic development of North Tipperary.





APPENDIX I - NORTH TIPPERARY COUNTY PRIORITY LIST

Location	Description	Estimate €M	Status
Thurles	RWSS Treatment Plant DBO, RWSS Distribution System	14.00 21.70	C.D's near completion C.D's near completion
Newport	RWSS Treatment plant & distribution network upgrade	5.04	C.D's near completion
Ballina	Sewerage Treatment Plant Upgrade	1.33	Appoint Consultants
Nenagh	Sewerage Treatment Plant Upgrade	2.10	Consultants appointed
Newport	Sewerage Treatment Plant & Network Upgrade	4.08	Appoint Consultants
North West	Regional Water Supply Scheme	15.30	Appoint Consultants
Roscrea	RWSS Upgrade Capacity	1.05	Consultants appointed
Roscrea	Sewerage Network Upgrade	1.58	Appoint Consultants
Thurles	Sewerage Network Upgrade	3.15	Appoint Consultants
Borrisoleigh	Sewage Treatment Plant Improvements	2.10	P.R. Review
Cloughjordan, Dromineer, Rearcross, Silvermines	Sewerage Treatment Plant Upgrade	4.08	Appoint Consultants
County	Rural Water Program	*16.00	Ongoing yearly
Roscrea	SLI – Whitepark	0.25	At tender
Templemore	SLI - Kiltillane	*1.10	Need Identified
Templemore	Templemore RWSS Upgrade Capacity	*2.00	Need Identified
Ballina	Extension to treatment plant	*4.00	Need Identified
Thurles Town	Sewerage treatment plant extension	*4.00	Need Identified
Templemore Town	Sewer Network upgrade	*1.00	Need Identified
Nenagh Town	Sewer Network upgrade	*1.50	Need Identified
Ballina	Sewer Network Upgrade	*1.30	Need Identified
Rural Villages	10 No. Wastewater Treatment & Collection Systems	*20.00	Need Identified
Puckane, Toomevara, Borrisokane, Holycross, Two-Mile- Borris, Templetuohy, Littleton, Portroe, Newtown,	Upgrade Sewerage Treatment Plant	*9.00	Need Identified
County	Telemetry	*1.00	Need Identified
	Total	136.66	

*Provisional figures only

