

INTEGRATION OF THE AUCKLAND WATER INDUSTRY

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Manager Projects and Programmes

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Prior to formation of Auckland Council

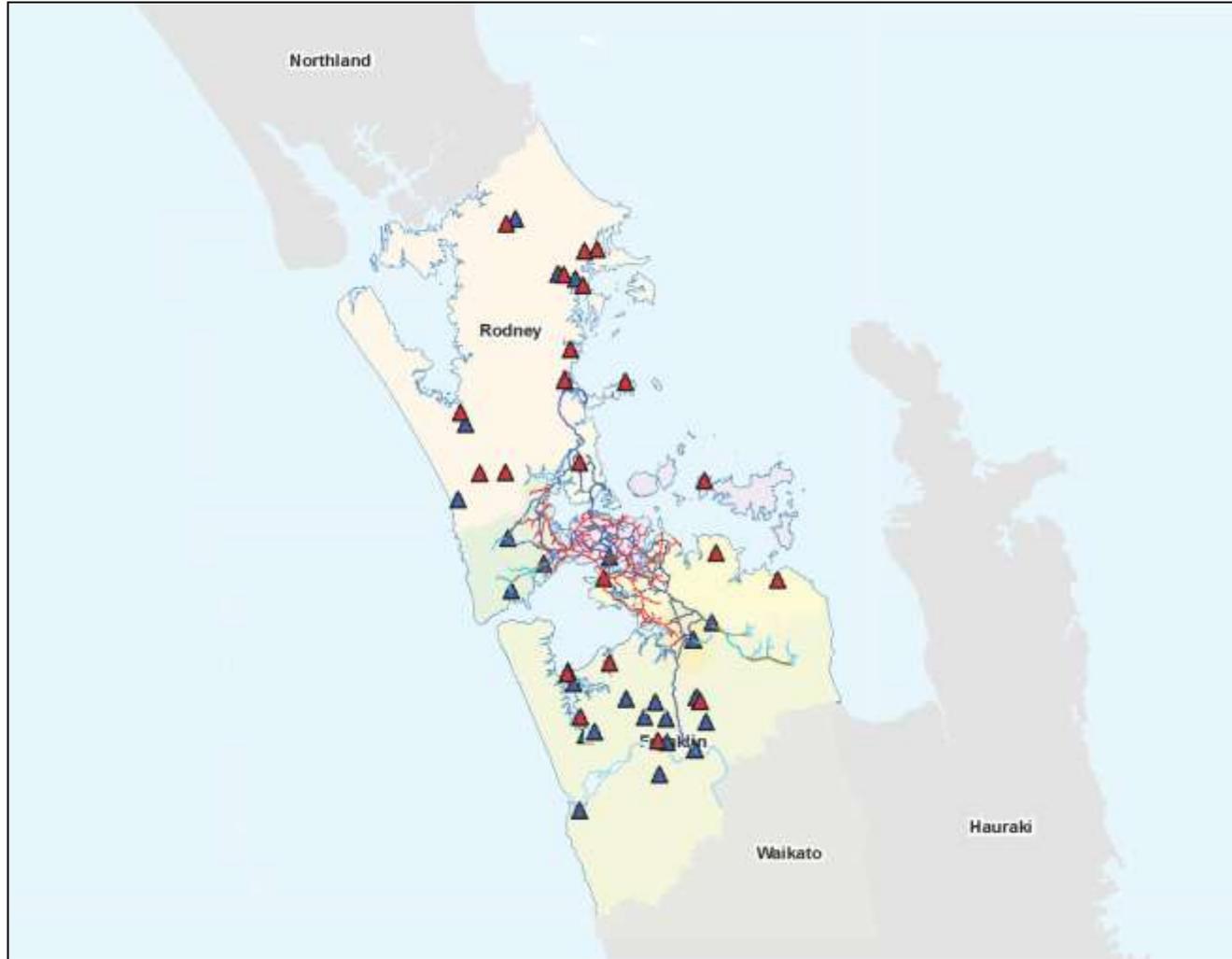
- Watercare – Bulk metropolitan water and wastewater systems;
 - Water dams, treatment plants and bulk transmission networks;
 - Wastewater bulk transmission and Mangere treatment plant;
- Council water companies / groups (Metrowater, Manukau Water, Ecowater, NSCC, Franklin, Rodney)
 - Local water and wastewater networks
 - Local water and wastewater treatment plants, including NSCC Rosedale plant
 - And typically stormwater
- Papakura water / wastewater - United Water franchise

Post formation of Auckland Council

- Watercare is now a CO
- Has own Board and is responsible for own funding
- No other Council water / wastewater companies
- Watercare responsible for;
 - All water and wastewater assets in Auckland region (except Papakura franchise with United Water)
 - All combined sewers (Ex Metrowater area)

- All stormwater remains with Auckland Council

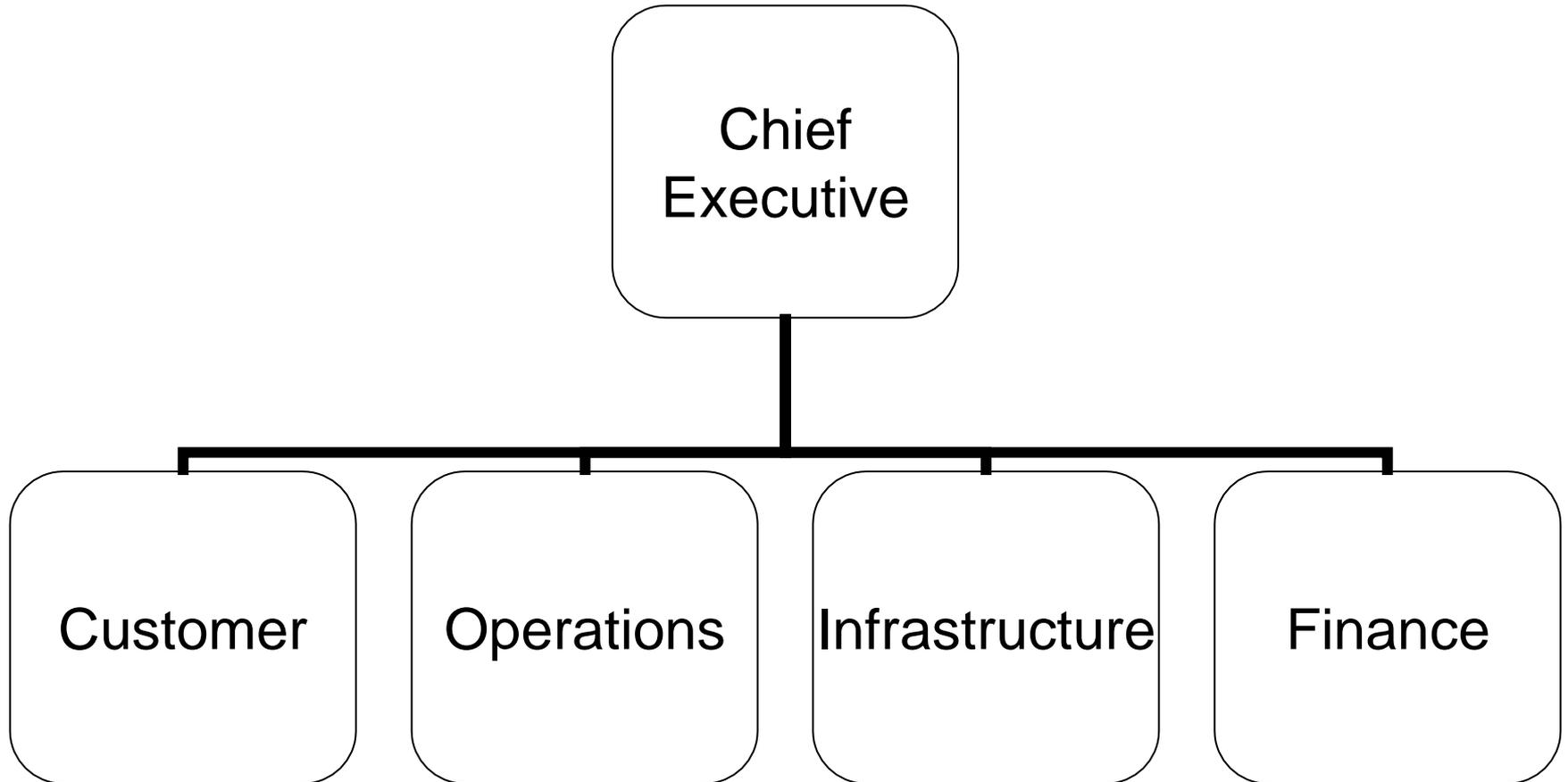
Area serviced by Watercare



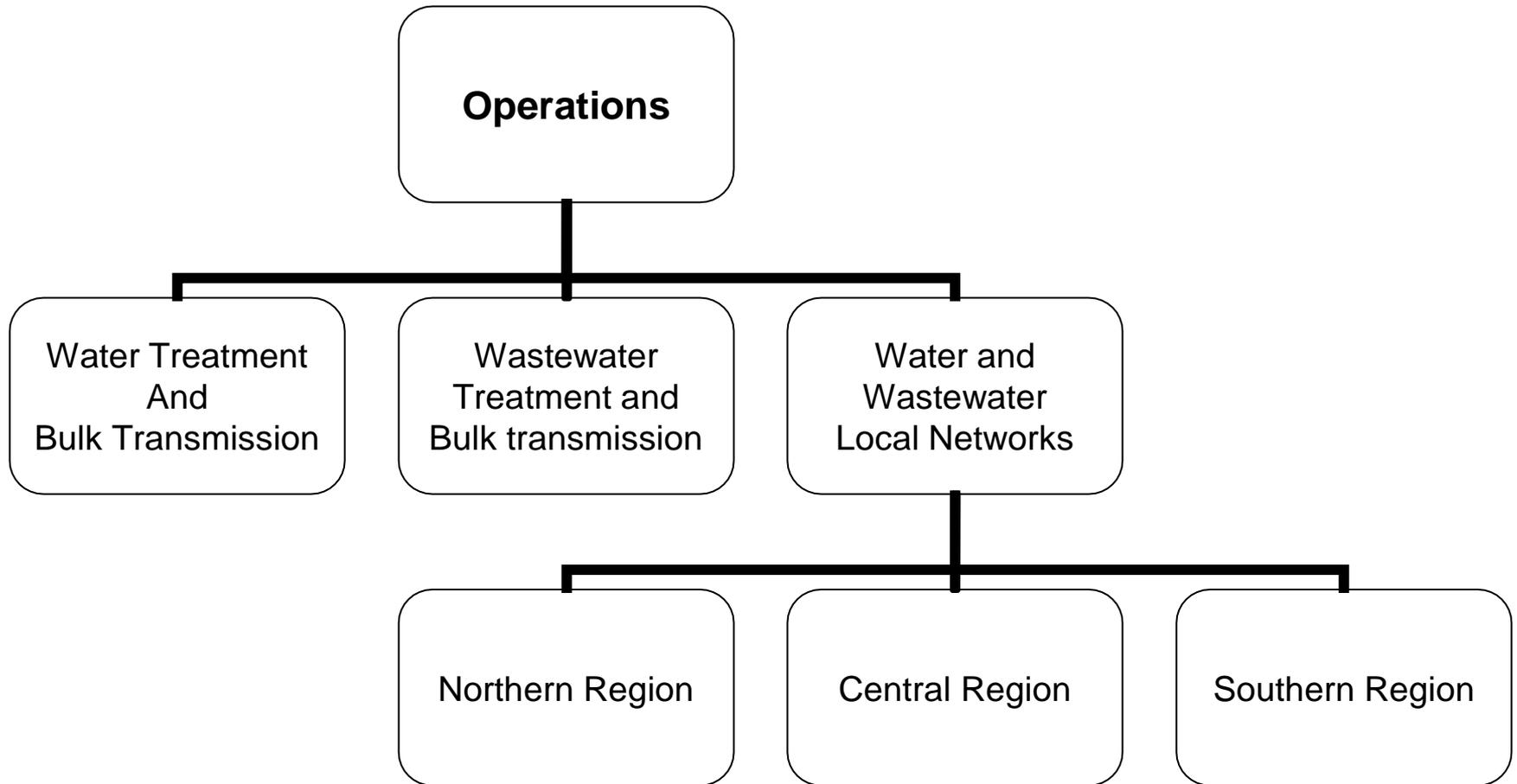
Watercare Statistics

- 1.4 million customers
- \$7 billion in assets
- 5th largest infrastructure company in NZ
- 650 Staff
- Treat 370 million litres water per day
- Treat 350 million litres of wastewater per day
- Draw water from 4 rivers, 26 bores, 11 dams
- 20 water treatment plants
- 9,000 km water pipes, 149 reservoirs, 108 pump stations
- 7,000 km wastewater pipes, 488 pump stations
- 19 wastewater treatment plants

Watercare Structure



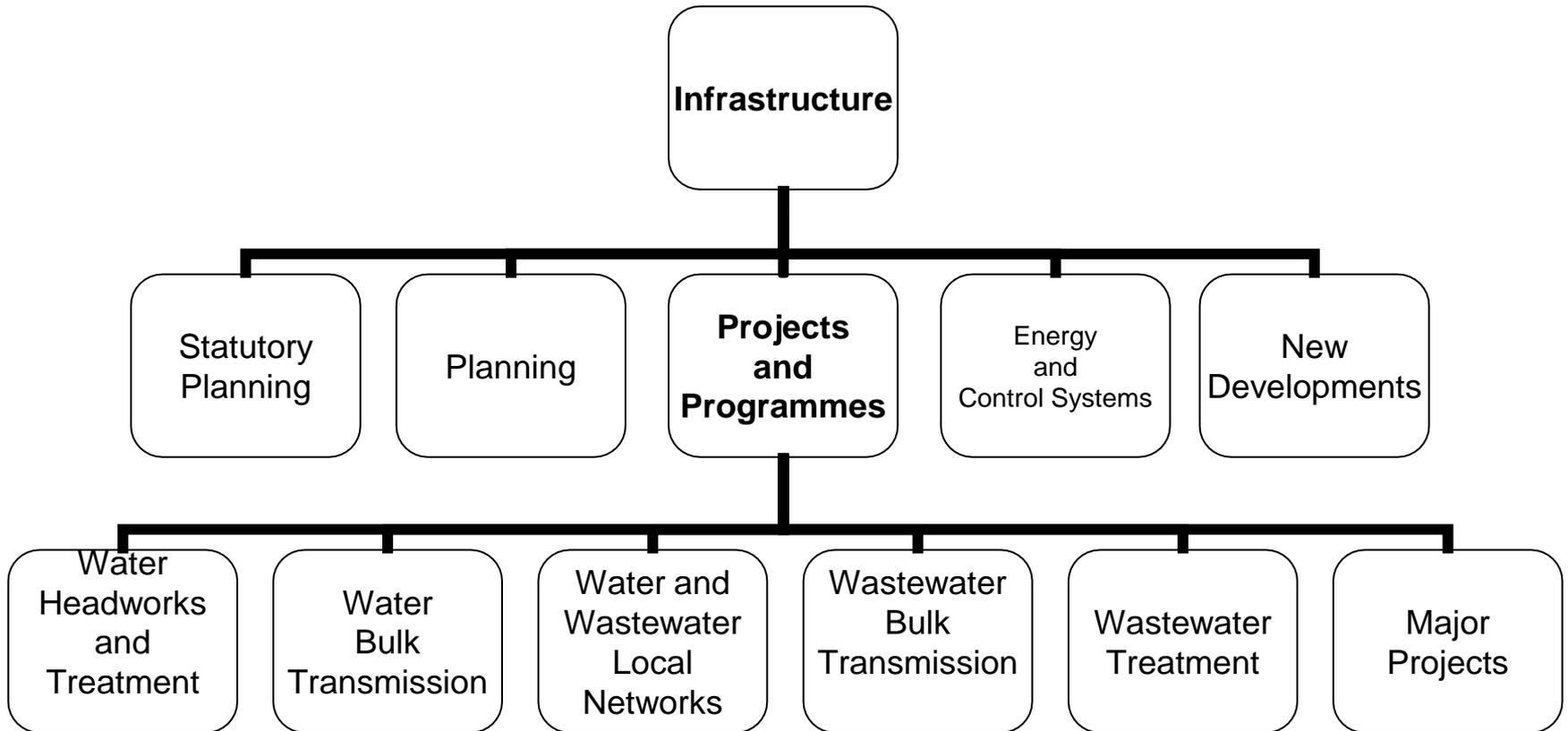
Operations Structure



Operations and Maintenance Contracts

- Range of O&M contracts inherited from councils
- Range of performance targets and measures, and contract periods
- Typically NZS 3910 conditions of contract
- Contract boundaries not all aligned with 3 operational regions
- On expiry contracts will be reviewed for regional consistency

Infrastructure Structure



Capital Works Delivery

- Capital works managed by Projects and Programmes group
- Repetitive capital replacements in local networks (valves, fire hydrants, water meters) managed via O&M contracts
- Sub-division works by developers which are vested in Council / Watercare and works over our networks. Managed via New Developments group

Conditions of Contract

- General procurement via purchase order
- Low value / low risk projects – NEC3 ECC short form
- Bulk of projects - NZS3910
- Large value / high risk projects - Bespoke conditions, modified FIDIC, NEC3, other

Water and Wastewater Development Standards

- Councils had range of standards for subdivisional development
- Watercare working with Auckland Council, Auckland Transport, Stormwater to adopt one standard
- NZS 4404 Land Development and Subdivision Infrastructure Standard – may require some modifications

CURRENT PROJECTS

Hunua 4



South Western Interceptor extension & new Pumping Station



Mt Eden Reservoir Reconstruction



Waitakere Water Main Upgrade



Asset Management Plan

- Watercare AMP previously \$130M-\$150M /annum
- Significant increase in value
- 2011/12 AMP in approval phase

- Auckland Council developing Spatial Plan
- Major influence on AMP

Water Projects (North and Central)



Water Projects (South)



Wastewater Projects (North)



Wastewater Projects (Central and South)

