PINF — Protection of Infrastructure

Adverse effects from land use and development can adversely affect the operation and development of infrastructure and can thereby impact the successful functioning of the city. This includes direct adverse effects from buildings and structures which have potential to obstruct access to infrastructure as well as reverse sensitivity effects, where an activity sensitive to the effects of infrastructure are established nearby, leading to constraints and additional costs for the operation or development of the infrastructure.

This chapter includes provisions which are intended to protect the Gas Transmission Network and the National Grid from adverse effects arising from land use and development. Other chapters of the District Plan also play a role in managing adverse effects on infrastructure. In particular:

- The Earthworks chapter, which controls earthworks near gas transmission infrastructure and the National Grid,
- The Hazardous Substances chapter, which includes provisions to protect gas and petroleum infrastructure,
- The Noise chapter, which includes provisions to control activities sensitive to noise near state highways and rail corridors, and
- The Subdivision chapter, which controls subdivision near gas transmission infrastructure and the National Grid.

Objectives

PINF-O1	Adverse effects on infrastructure
The adverse effects of subdivision, use, and development do not compromise the operation and development of infrastructure.	

Policies

PINF-P1	Protecting regionally significant infrastructure
Regionally significant infrastructure is protected from incompatible new subdivision, use and development by: 1. Avoiding the location of activities sensitive to hazardous substance risk within a defined risk management overlay. 2. Avoiding activities sensitive to the National Grid, and controlling buildings, structures and earthworks within a defined National Grid Yard. 3. Controlling subdivision within a defined National Grid Subdivision Corridor. 4. Controlling subdivision, buildings, structures, earthworks and activities sensitive to gas transmission infrastructure within a defined Gas Transmission Pipeline Corridor 5. Controlling noise sensitive activities within a defined Highway and Railway Noise Overlay.	
PINF-P2	**Adverse effects on gas transmission infrastructure**
Gas transmission infrastructure is protected from incompatible use and development by: 1. Only allowing buildings, structures and activities within the Gas Transmission Pipeline Corridor which do not compromise the operation and development of the gas transmission network, and 2. Maintaining ongoing access to the gas transmission network for maintenance and upgrading works.	
PINF-P3	**Adverse effects on the National Grid**
Protect the safe and efficient operation, maintenance and repair, upgrading and development of the National Grid from adverse effects by: 1. Avoiding land uses (including Activities sensitive to the National Grid and any increase in their scale and intensity) and buildings and structures within the National Grid Yard that may directly affect or otherwise compromise the National Grid, 2. Avoiding reverse sensitivity effects on the National Grid, 3. Maintaining ongoing access to National Grid conductors and support structures for maintenance and upgrading works, and 4. Achieving compliance with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP 34:2001).	

Rules

This chapter includes provisions for the protection of infrastructure from the adverse effects of land use and development.

The rules of this chapter address:

- Buildings, structures and activities located within the Gas Transmission Pipeline Corridor, and
- Buildings, structures and activities located within the National Grid Yard.

The chapter does not include the following:
- Provisions controlling activities sensitive to noise in the Highway and Railway Noise Overlay (located in the Noise chapter),
- Provisions controlling subdivision within the Gas Transmission Pipeline Corridor (located in the Subdivision chapter),
- Provisions controlling subdivision within the National Grid Subdivision Corridor (located in the Subdivision chapter),
- Provisions controlling activities sensitive to hazardous substance risks within the risk management overlay or within 250m of an existing significant hazardous facility (located in the Hazardous Substances chapter. The facilities protected by these provisions include gas and petroleum infrastructure), or
- Provisions controlling earthworks within the National Grid Yard or within the Gas Transmission Pipeline Corridor (located in the Earthworks chapter).

PINF-R1	**Activities in the Gas Transmission Pipeline Corridor**
All Zones	1. **Activity status:** Permitted Where: a. The activities are not activities sensitive to gas transmission infrastructure.
All Zones	2. **Activity status:** Restricted discretionary Where: a. Compliance is not achieved with PINF-R1.1. **Matters of discretion are restricted to:** 1. The extent to which the proposed activities avoids or mitigates any conflict with the Gas Transmission Network, including construction-related activities. 2. The extent to which any building or structure may compromise, restrict or prevent legal or physical access to the Gas Transmission Network. 3. Risks relating to health or public safety, including the risk of property damage. 4. The extent to which the development will avoid the potential reverse sensitivity effects on the Gas Transmission Network. 5. Technical advice provided by the owner and operator of the Gas Transmission Network. **Notification:** An application under this rule is precluded from public notification. When deciding whether any person is affected in relation to this rule, the Council will give specific consideration to any adverse effects on the owner and operator of the gas transmission network.
PINF-R2	**Building and structures, including additions and alterations to existing buildings and structures, within the Gas Transmission Pipeline Corridor**
All Zones	1. **Activity status:** Restricted discretionary Where: a. Located within the Gas Transmission Pipeline Corridor. **Matters of discretion are restricted to:** 1. The extent to which the proposed development design and layout avoids or mitigates any conflict with the Gas Transmission Network, including construction-related activities. 2. The extent to which any building or structure may compromise, restrict or prevent legal or physical access to the Gas Transmission Network. 3. Risks relating to health or public safety, including the risk of property damage. 4. The extent to which the development will avoid the potential reverse sensitivity effects on the Gas Transmission Network. 5. Technical advice provided by the owner and operator of the Gas Transmission Network. **Notification:** An application under this rule is precluded from publicly notification. When deciding whether any person is affected in relation to this rule, the Council will give specific consideration to any adverse effects on the owner and operator of the gas transmission network.
PINF-R3	**Activities in the National Grid Yard**
All Zones	1. **Activity status:** Permitted

	Where: a. The activity is not one of the following: i. Activities sensitive to the National Grid, or ii. The use, handling or storage of hazardous substances (Hazardous Substances (Hazard Classification) Notice 2020) with explosive or flammable intrinsic properties, (except this does not apply to the access use and storage of hazardous substances in domestic-scale quantities), or iii. Wintering barns, commercial greenhouses, immovable protective canopies, produce packing facilities, or milking sheds.
All Zones	2. **Activity status:** Non-complying Where: a. Compliance is not achieved with PINF-R3.1. **Notification:** An application under this rule is precluded from being publicly notified in accordance with section 95A of the RMA. Notice of any application for resource consent under this rule must be served on Transpower New Zealand Limited in accordance with Clause 10(2)(i) of the Resource Management (Forms, Fees, and Procedure) Regulations 2003.
PINF-R4	**Buildings and structures, including additions and alterations to existing buildings and structures, in the National Grid Yard**
All Zones	1. **Activity status:** Permitted Where: a. The building or structure is for one of the following: i. For the purpose of network utility operations or any part of electricity generation that connects to the National Grid, or ii. A non-habitable farm or horticulture structure or building or a stockyard, or iii. A fence, or iv. An accessory building that is associated with an existing residential activity and is less than $10m^2$ in area and a maximum height of 2.5m above ground level, or v. Alterations to an existing building or structure that is used for activities sensitive to the National Grid and which does not increase the building or structure height or footprint, and b. Compliance is achieved with PINF-S1: Setbacks and separation distances for buildings and structures located within the National Grid Yard. **Note:** Compliance with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP34:2001) is mandatory under the Electricity Act 1992. All activities regulated by NZECP34:2001, including buildings, structures, earthworks, and the operation of mobile plant, must comply with that regulation.
All Zones	2. **Activity status:** Non-complying Where: a. Compliance is not achieved with PINF-R4.1 **Notification:** An application under this rule is precluded from being publicly notified in accordance with section 95A of the RMA. Notice of any application for resource consent under this rule must be served on Transpower New Zealand Limited in accordance with Clause 10(2)(i) of the Resource Management (Forms, Fees, and Procedure) Regulations 2003.

Standards

PINF-S1	**Setbacks and separation distances for buildings and structures located within the National Grid Yard**
1. There is no minimum setback for buildings and structures which are part of the National Grid. 2. Fences not exceeding a maximum height of 2.5m above ground level must be setback a minimum 6m from the outer visible edge of a foundation of a National Grid support structure.	

3. All other buildings and structures must be setback a minimum 12m from the outer visible edge of a foundation of a National Grid support structure.
4. Buildings and structures must not permanently physically impede vehicular access to a National Grid support structure.
5. All buildings and structures in the National Grid Yard must comply with the New Zealand Electrical Code of Practice for Safe Electrical Distances (NZECP 34:2001) ISSN 0114-0663 under all transmission line and building operating conditions.

There are no matters of discretion if the standard is breached.