# Agriculture

## Impact

- No access to agricultural inputs
- Collapse of income
- Reduced yields

## Response

- Crop substitution
- Pivot to domestic market
- Processing workforce to work farms

## Preparedness

- Working group for National Food Security Strategy
- Regional leadership & resilience plans
- Sustainable agriculture
- Incentivise biofuel production
- Seed/NPK/agrichemical stockpiles



# Energy

#### Impact

- Shortage of liquid fuels
- Difficulty supplying thermal peak

# Response

- Fuel rationing
- Reduce demand
- · Substitute labour for energy
- Substitute crops for biofuel production

## **Preparedness**

- National Energy Resilience Strategy
- National Fuel Plan (agricultural needs)
- Distributed electricity generation
- Incentivise biofuel production
- Convert existing food oil refineries

# Resilient Aotearoa/NZ

- All of Government Response Plan
- Community-led resilience efforts
- 'Relative' Self-sufficiency Roadmap
- Multiterm bipartisan approach
- More risk information
- Resilience enabling legislation

Resilience to major global catastrophe



# ICT/Digital

## Impact

- Massive internet disruption
- Inaccessible cloud data
- Payment services offline

# Response

- Pool compute for essential services
- Broadcast on short/long wave radio Preparedness
- Develop offline resilience information
- Ensure essential services function locally
- Cloud as critical national infrastructure
- National Digital Comms Infrastructure Plan
- Digital Communications Continuity Plan

# **Economy**

#### **Impact**

- Loss of electronic transactions
- Widespread defaults
- Challenges to trade

## Response

- Leverage food for goods trade
- Printed money, IOUs, barter
- Cooperation of banks, insurers, regulators, government

#### Preparedness

- Require onshore banking system
- Plan to provide immediate credit



# **Transport**

## **Impact**

- Collapse of global shipping
- Transport fuel shortage
- Absent workforce

# Response

- Prioritise transport for food distribution
- Re-establish trade

# Preparedness

- Equity of access to services
- Electrification (rail, e-bikes, EVs)
- Invest in coastal shipping assets
- Strategic use of arable land (near urban)
- Invest in diverse trade relations

& infrastructure