

# GETTING GOOD AT 'GREEN'

Sustainability Efficiencies in Golf



**Green  
Start**

ENABLING  
SUSTAINABLE  
BUSINESS



## Progress



### Environment

- Climate-related emission
- Ethical Procurement
- Contaminants & Waste
- Renewable & Efficient Energy Use
- Water Stewardship



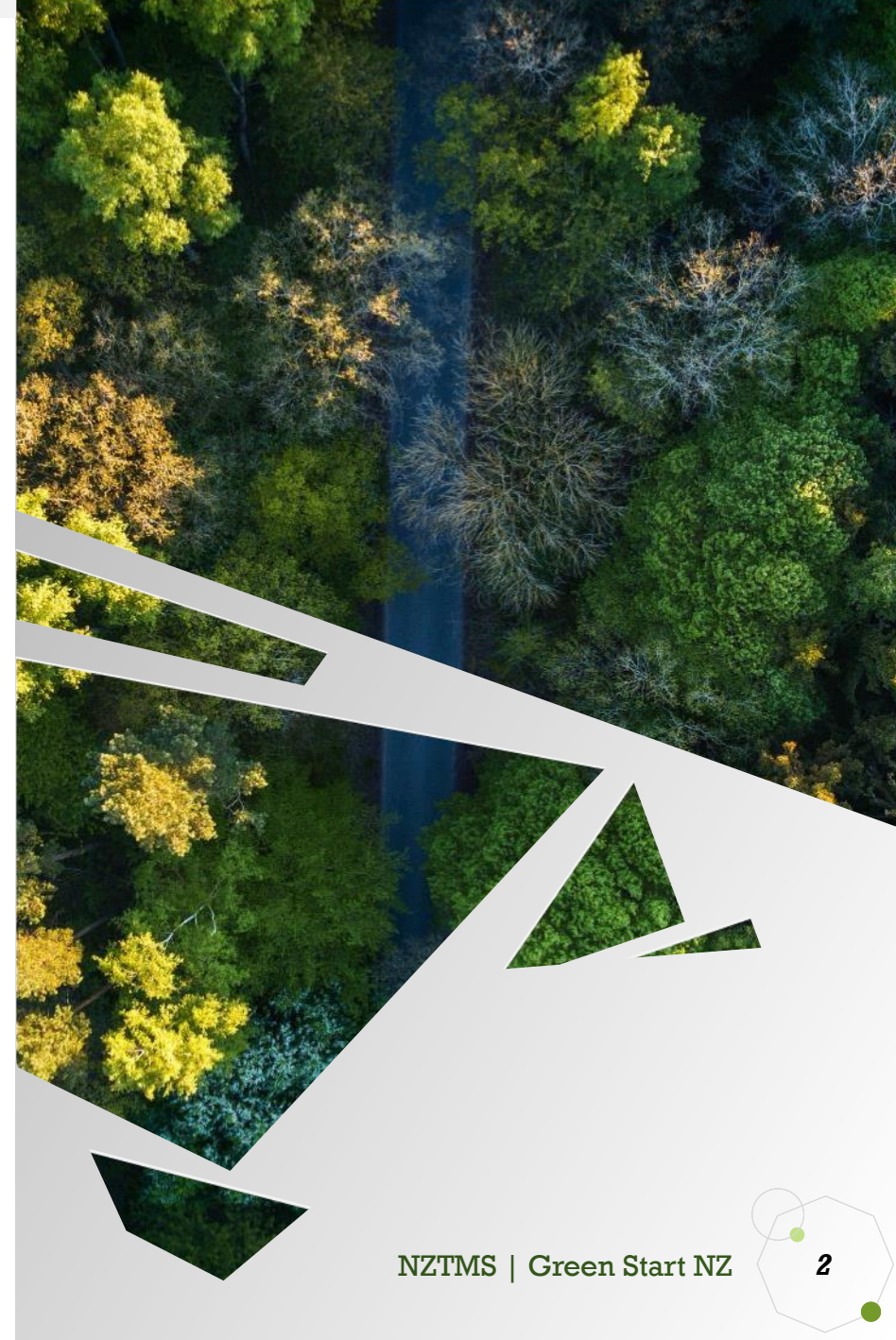
### Society

- Family
- Colleagues
- Occupants
- Neighbours
- Community
- Industry



### Prosperity

- Social Equity
- Operational Efficiencies
- Improved Lease/Re-sale
- Talent/Retention
- Risk Mitigation
- Reputation



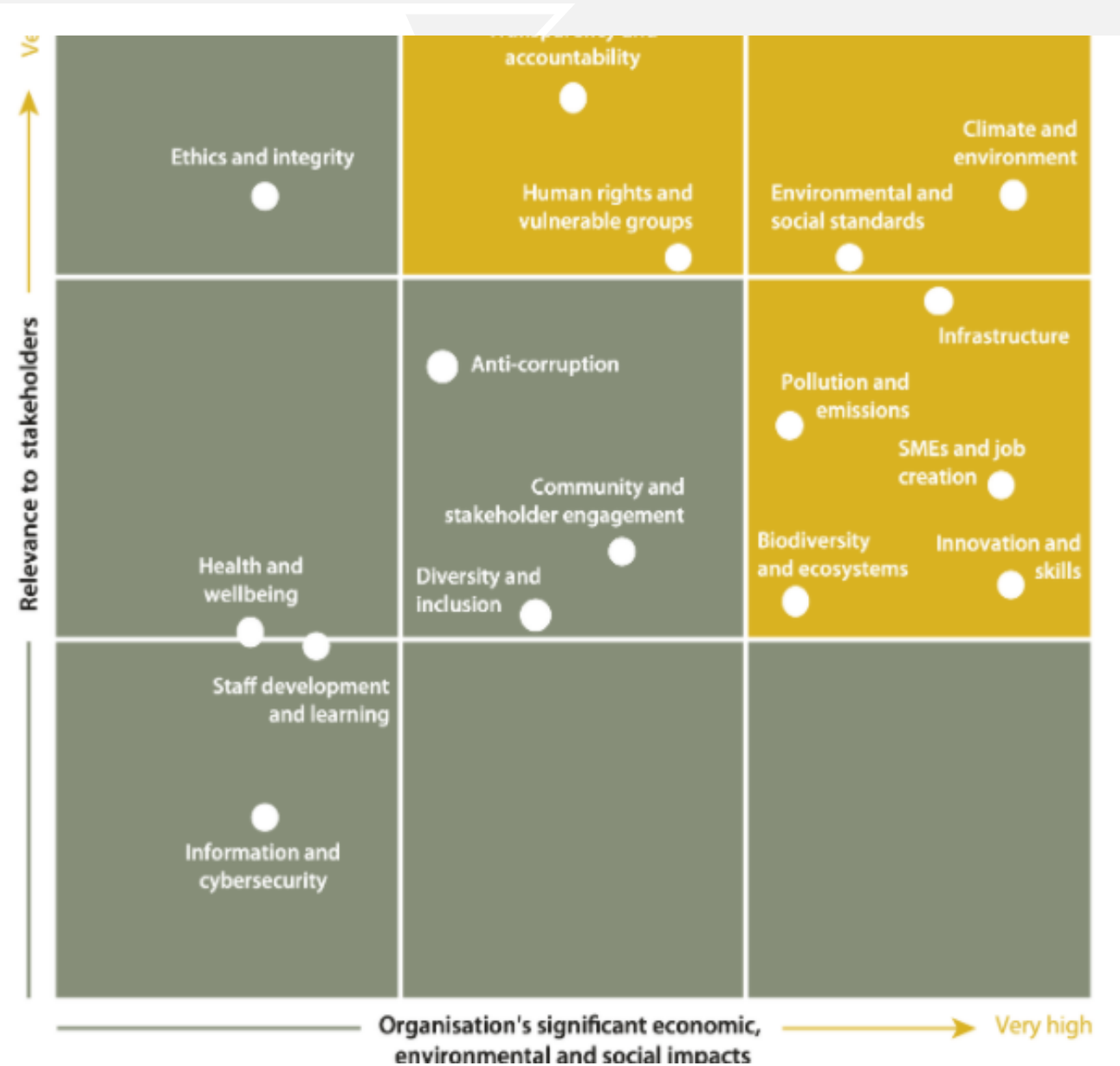
# Prioritisation

## WHO

- Customers (Internal & External)
- Suppliers
- Community
- Supply chain
- Others?

## WHAT

- Higher risk
- Higher impact
- Then the rest





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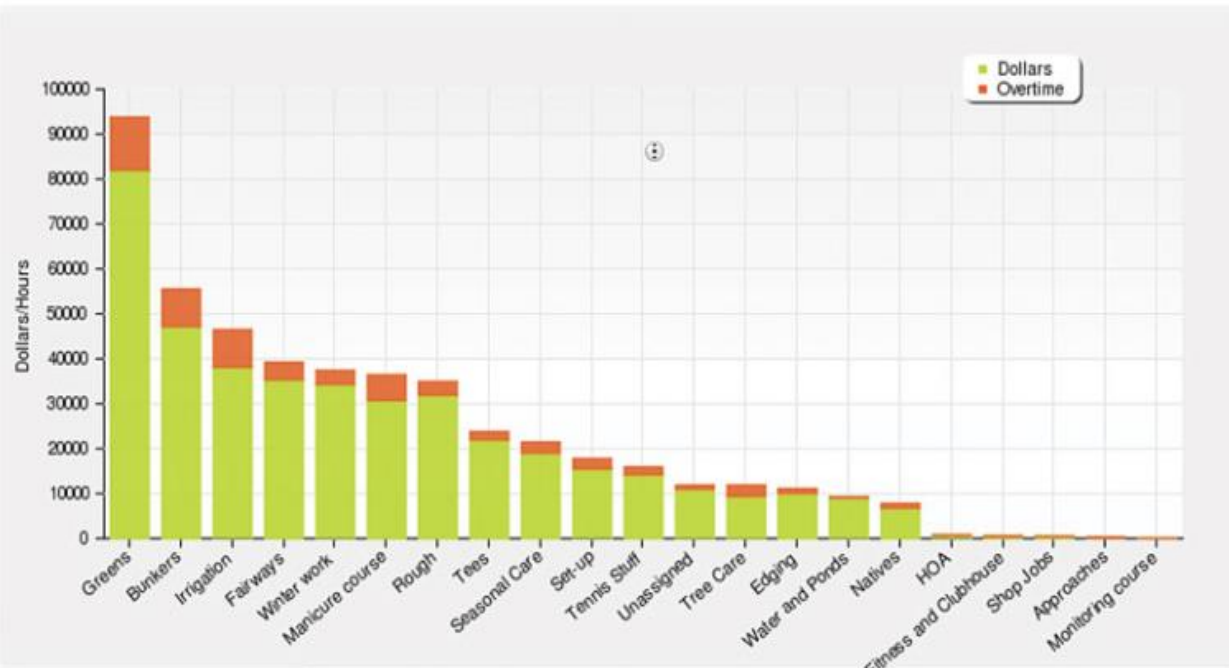
Step One

## Scope:

What are you measuring?

This puts a boundary around your reporting. It is clear what is being measured and reported on. It is a good idea to be comparative to other similar facilities

i.e. GEO or similar



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Step Two

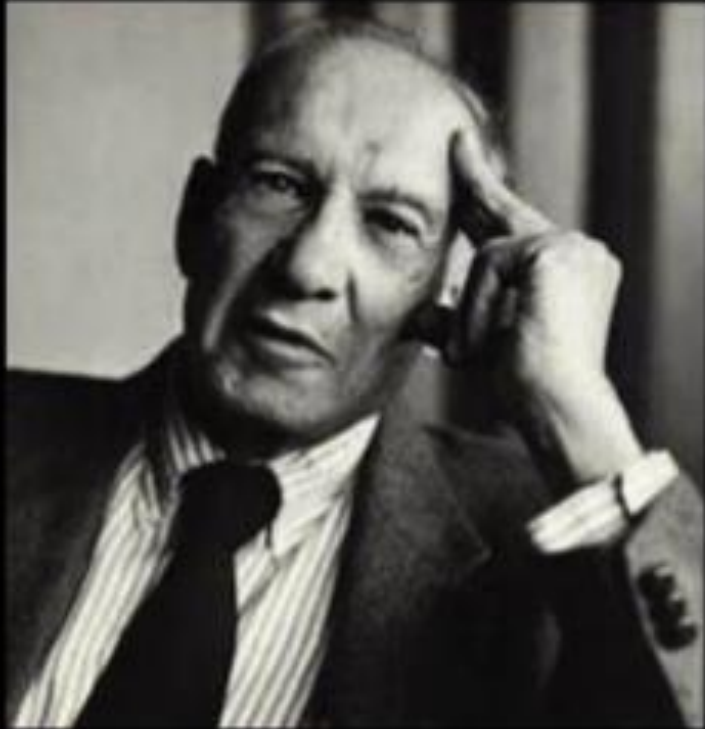
## Data:

Measure and Monitor

You can only manage what you know!

- Create a baseline
- Be authentic and honest
- Changes and initiatives are more easily seen
- Use a recording tool regularly!!





“If you can’t  
measure it,  
you can’t  
manage it”

Peter Drucker

Recycle or Landfill	Act Qty	Actual Weight Kg's	Service	Container Type	Container Size	Action	Report Weight in Tonnes	Volume UOM	Volume
Landfill Waste	1	60	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.06	M3	4.5
Landfill Waste	1	8	Wheelie Bin Commercial	Wheelie Bin 240 Litre 0.24		Lift	0.006	EA	0.24
Recycle Waste	1	20	Wheelie Bin Commercial Recycle	Wheelie Bin 660 Litre 0.66		Lift	0.02	EA	0.66
Recycle Waste	1	20	Wheelie Bin Commercial Recycle	Wheelie Bin 240 Litre 0.24		Lift	0.02	EA	0.24
Recycle Waste	1	28	Wheelie Bin Commercial Recycle	Wheelie Bin 660 Litre 0.66		Lift	0.028	EA	0.66
Landfill Waste	1	75	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.075	M3	4.5
Landfill Waste	1	95	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.095	M3	4.5
Landfill Waste	1	15	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.015	M3	4.5
Recycle Waste	1	70	Wheelie Bin Commercial Recycle	Wheelie Bin 660 Litre 0.66		Lift	0.07	EA	0.66
Recycle Waste	1	8	Wheelie Bin Commercial Recycle	Wheelie Bin 240 Litre 0.24		Lift	0.008	EA	0.24
Landfill Waste	1	80	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.08	M3	4.5
Landfill Waste	1	175	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.175	M3	4.5
Landfill Waste	1	70	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.07	M3	4.5
Landfill Waste	1	12	Wheelie Bin Commercial	Wheelie Bin 240 Litre 0.24		Lift Rostered	0.012	EA	0.24
Landfill Waste	1	28	Wheelie Bin Commercial	Wheelie Bin 240 Litre 0.24		Lift Rostered	0.028	EA	0.24
Landfill Waste	1	50	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.05	M3	4.5
Landfill Waste	1	26	Wheelie Bin Commercial	Wheelie Bin 240 Litre 0.24		Lift Rostered	0.026	EA	0.24
Landfill Waste	1	32	Wheelie Bin Commercial	Wheelie Bin 240 Litre 0.24		Lift Rostered	0.032	EA	0.24
Landfill Waste	1	65	Front End Load	Front Load 4.5m³	4.5	Lift Rostered	0.065	M3	4.5
Landfill Waste	1	24	Wheelie Bin Commercial	Wheelie Bin 240 Litre 0.24		Lift Rostered	0.024	EA	0.24
Landfill Waste	1	10	Wheelie Bin Commercial	Wheelie Bin 240 Litre 0.24		Lift Rostered	0.01	EA	0.24
Recycle Waste	1	40	Wheelie Bin Commercial Recycle	Wheelie Bin 660 Litre 0.66		Lift	0.04	EA	0.66

3 times more →

5 times more →



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## Step Three

### Make changes:

#### Risks & opportunities

- Refer to your 'Materiality Assessment' what is right for your club
- Engage your stakeholders on the journey (the data is great for this!)
- Utilise resources
  - Councils – Ecological & Waste Assessments
  - Universities - Interns
  - DOC
  - Environmental Management Plans
  - Predator Free NZ
  - Peers
  - Will and Rebecca
- Have the conversations with your suppliers – if you don't ask they won't respond.



# Doing the first things first

## Energy

- [genless.govt.nz](http://genless.govt.nz)
- LED light bulbs use up to 85% less electricity than traditional incandescent or halogen bulbs and can last 15 times longer.
- Turn equipment and heaters off!
- Mow when and what is required (using a hybrid is even better)
- Reduce where you need to mow

## Water

- Check for leaks regularly
- Gypsum/Biochar/Zeolite etc to optimise water management
- Water capture for reuse in clubhouse
- Reticulation options for washdown bays?
- Utilisation of the best plant species for your region to minimise water requirements
- Expectations of seasonal playability aesthetics

## Waste

- Compost or worm-farm organics
- Educate
- Right bins in the right places

## Consumables

- Ask the questions!
- Think about design change rather dealing with the waste (fix the start instead of the end)
- Reduce the areas that need consumables.
  - Naturalised planting scheme
  - Expectations
  - Riparians
- Selective use/non-toxic treatment
- Collaborate to increase purchasing or influencing power

## People

- Engage stakeholders at all levels.
- Find a 'positive deviant' or two to help with the journey.
- Celebrate the wins and share them
- Communicate and share what the Club is doing. It is great to educate on what good you are up to.



# Thank you

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