



GF2 CFO Stewardship Program Update

Manure Management Update

Lethbridge, AB

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Karen Yakimishyn



GF2 CFO PROGRAM FOCUS

- Less agricultural impact on water quality
- Improved business outcomes for livestock producers and commercial manure applicators
- Improved market opportunities



WHO IS ELIGIBLE

Confined Feeding Operations

- Environmental Farm Plan
- OR
- CFO Site Assessment

Custom Applicators

- Custom Manure Applicators Workshop



400 INNOVATION

Innovative solutions to address environmental risk

- Pen amendments
- Aeration
- Barn changes to increase lagoon storage

4 Projects



401 PLANNING

Investigation projects for the purposes of planning improvements to existing sites

- Engineering/consulting fees

12 projects



402 SURFACE WATER CONTROL

Construction or upgrade of a surface water management system

- Run-on and Runoff control
- Surface water flow within the facility

Maybe a Regulated activity

- NRCB involvement

11 projects



403 PEN RENOVATION

Pen renovations to meet AOPA standards

- For operations that existed prior to 2002
- Engineering fees
- Earthwork
- Old facility removal

1 Project



404 MANURE STORAGE

Eliminate the need for winter spreading

Relocation of a poor facility

- Engineering costs
- Concrete/ steel/earthwork
- Decommissioning of old storages

23 projects



405 CFO RELOCATION

CFO relocation to address risk to water

- Decommission of old site
- Engineering
- Earthwork

6 projects



406 SOLID/LIQUID SEPARATION

Reduction in volume of manure to be transported
3 projects

407 COMPOSTING

- Specialized equipment
- Monitoring equipment

0 projects



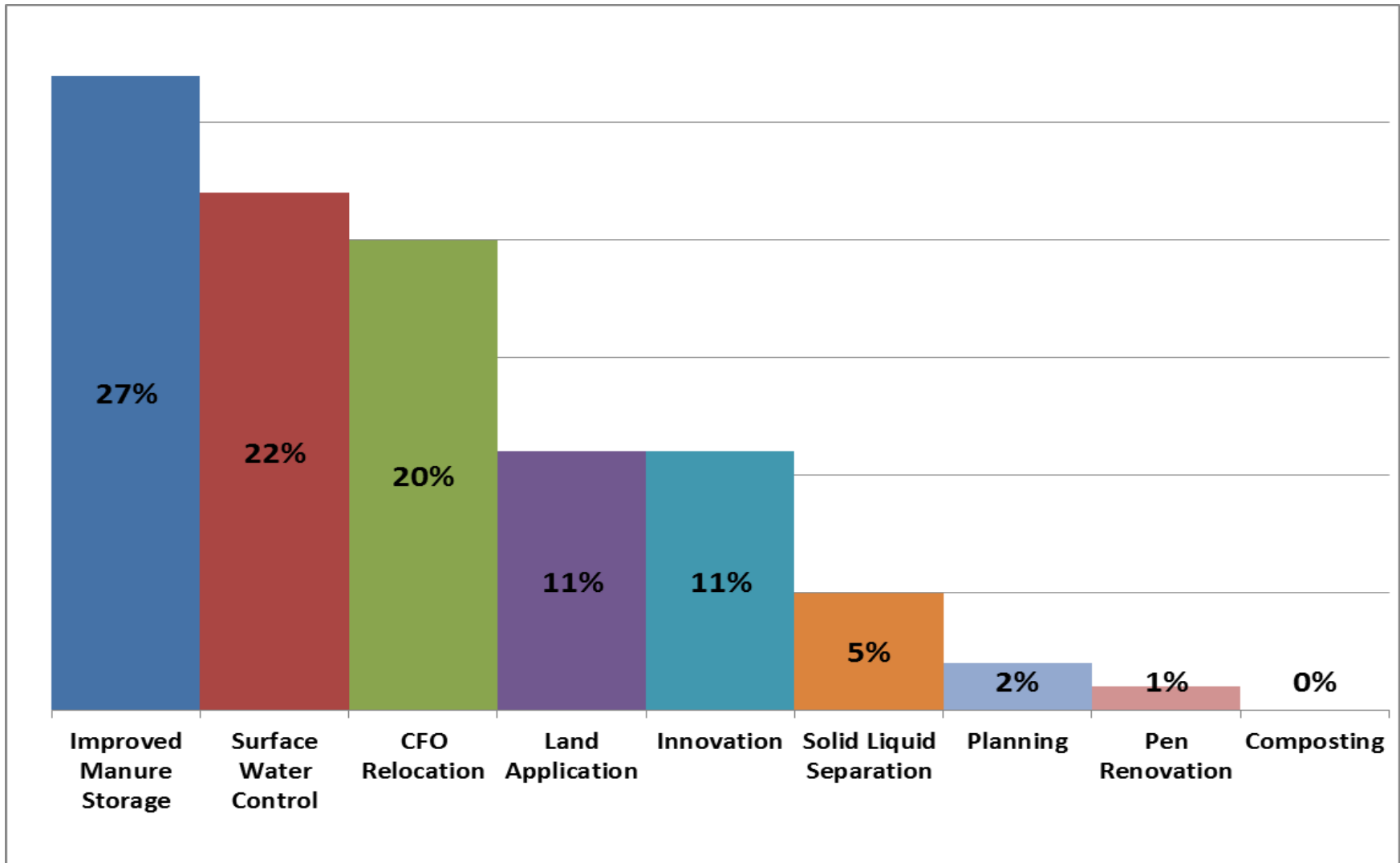
408 LAND APPLICATION

- Producers and custom applicators
- Mapping not GPS receiver
- Surface Banding and Injection Systems
- Dragline adaptations
- Conversion of equipment
- In-field temporary storage
- Road crossings

10 projects



GF2 ALLOCATION DISTRIBUTION \$2.86 MIL



REGULATORY RESPONSIBILITY

- Applicant is responsible for all permits – NRCB, AENV, municipal
- Grandfathered operations requiring a permit
 - NRCB assess the risk associated with existing facilities.
 - risks needs to be addressed but do not necessarily have to meet AOPA standards.
 - NRCB will work with operator to address improvements in a time frame that works for the producer

CFO PROGRAM COORDINATOR

Shivani Tarksis

780-427-3908

