





This presentation represents the preliminary strategic direction of a multi-year, whole-of-government, U.S. strategy to address food security in a Feed the Future country or region. It describes partner country progress and outlines how U.S. investments will align in support of partner country priorities. This document has not yet been approved or funded but will form the basis of a multi-year strategy in development.



Presentation Outline





Contents

- 1. Problem statement
- 2. Country readiness
- 3. Identifying USG priority investments and partner alignment
- 4. Proposed USG interventions
- 5. Impact and timeline
- 6. Next steps



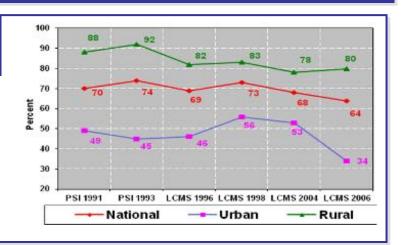
Hunger persists in Zambia, despite GDP growth...



For the past decade, Zambia has averaged 6% GDP growth; however ...

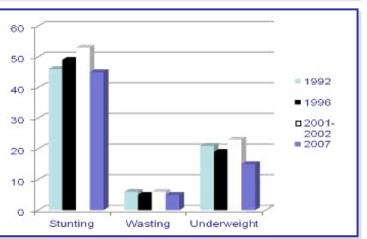
Rural poverty has not declined in a decade

- Rural poverty rate is 80%
- Income inequality among top 20 in world (0.526 Gini Coefficient)



Undernutrition remains high

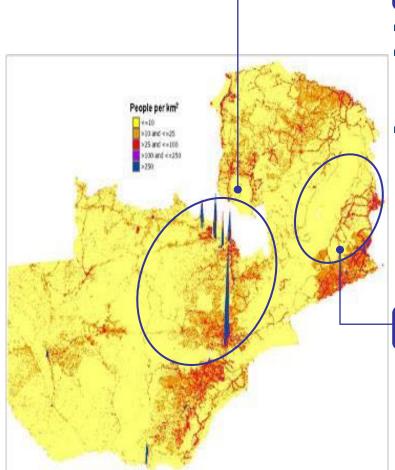
- High rates of undernutrition and child stunting persist (45%)
- High micronutrient deficiencies (50% of children Vitamin A deficient)





...as a result of Zambia's two divergent economies.





Urban economy

- Middle income status
- Population concentrated along major transport corridors
- Reliance on extractive industry (copper) for foreign exchange earning (only 7% of paid employees)

Rural economy

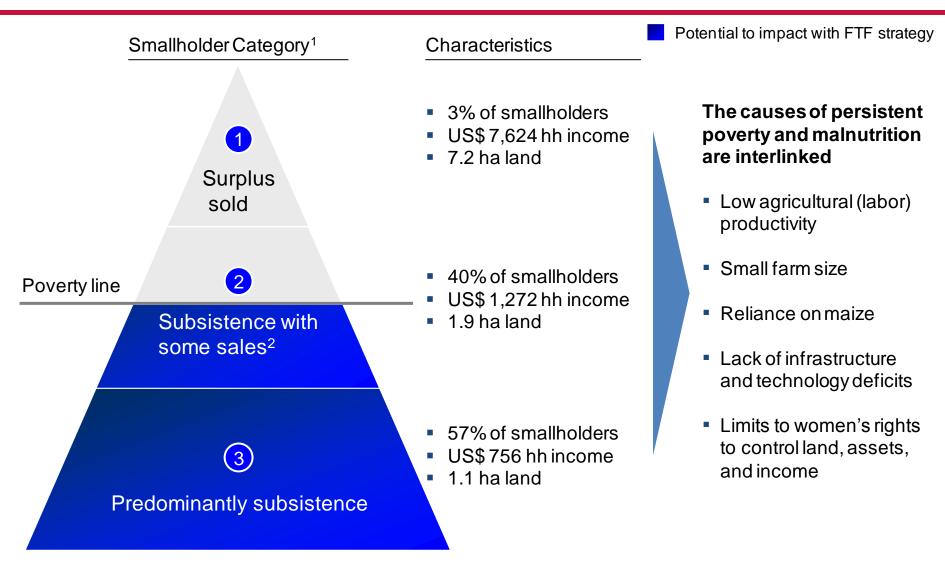
- High level of poverty (80%)
- Relatively dispersed
- Reliance on subsistence farming (95%)

- High inequality
- 60% of population rural
- Smallholder agriculture growth is weak



Most smallholders are poor and food-insecure.





¹ Based on country wide sample of maize smallholders

² Not necessarily net sellers, may also be net buyers



Zambia's government is committed to improving food security.



Zambia is committed to agriculture investments...



- CAADP Compact signed January 18, 2011, committing to
 - Agriculture marketing and credit acts
 - Fertilizer distribution reform first country to use e-vouchers
 - Increasing private sector role
- Leadership of critical African trade and agriculture institutions
 - African Growth and Opportunity Act (AGOA) forum chairmanship 2010-2011
 - Host of Common Market for Eastern and Southern Africa (COMESA) headquarters
- Sixth National Development Plan (2011-2015) Approved February 4, 2011
 - Target to increase contribution of agriculture from 16% to 20% of GDP by 2015
 - Commitment to agriculture marketing and credit acts as well as reform of the Farmer Input Support Programme
- National Nutrition Strategy being developed

...however, budget allocation is disproportionately weighted towards maize subsidies

- >50% of agriculture budget
- Government of the Republic of Zambia (GRZ) purchases maize above market price
- Subsidized inputs



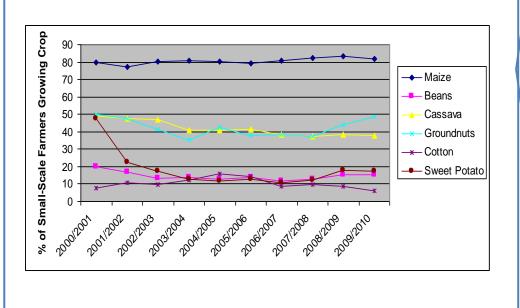
Low maize yields lead to food insecurity.



Maize dominates Zambian agriculture ...

- 82% of smallholders grow maize
- 50% of total cultivated land is under maize
- Most Zambians eat maize every day

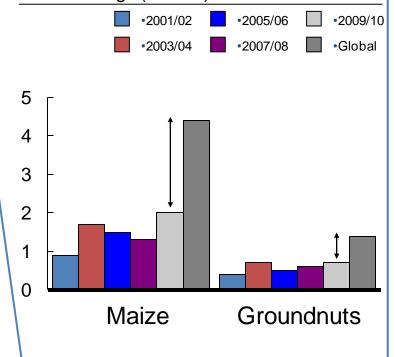
% of Small-scale Farmers Growing Crop



... however, productivity is low

- Yields are one-third the global average
- 3% of smallholder farmers sell over 50% of marketed production
- Most smallholders do not produce enough to meet household needs

Yield Average (MT/Ha): Zambia vs. Global





Maize productivity enables smallholder commercialization.





Smallholders that produce high value commodities, including vegetables, devote a greater proportion of their land to maize than other crops, and have greater maize productivity

Smallholders devote labor, land, inputs to maize prior to other commodities

However, most smallholders are compelled to sell maize at harvest, and face several hungry months

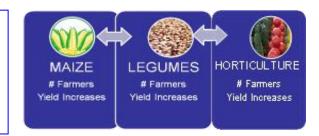
Based on empirical analysis by IFPRI, increasing maize productivity is necessary but not sufficient for smallholder commercialization



Feed the Future / Zambia will diversify staple crop production.



... lead to increased smallholder productivity of all commodities, including maize



Diversification of selected staple value chains will ...

... increase income through higher value commodities and access to value-addition and export markets



... diversify diets and minimize risk of food scarcity



... contribute to a reduction in high rates of child undernutrition





USAID/Zambia prioritized crops and geographies using key criteria.



Value chain selection criteria

Maize
Legumes
& oilseeds
Vegetables
& fruit
Cassava

Cotton

Poultry

Fisheries

Livestock

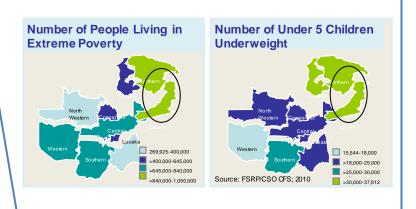
- Relevance to small-holders (production and sales)
- Income potential/ profitability
- Potential for productivity growth
- Enabling environment
- Nutritional value and dietary role
- Impact on women

Focus value chains

Feed the Future focus

Geographic selection criteria

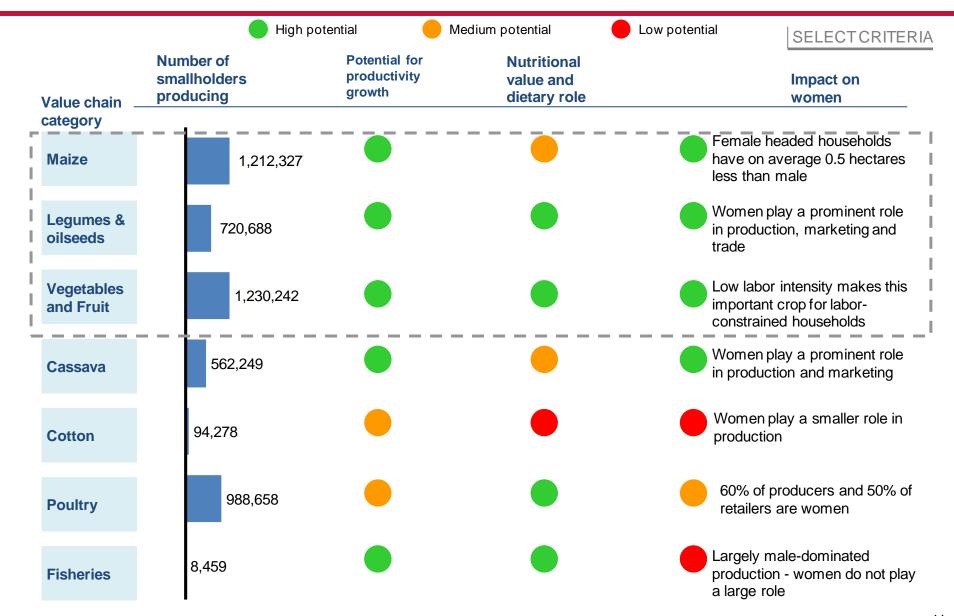
- Significant smallholder population
- Number of people living in extreme poverty
- Number of underweight children
- Potential for agriculture diversification
- Transport links to key markets (commercial potential)





Legumes, oilseeds, maize and vegetables emerged as strategic priorities.







Two linked geographies showed high potential for impact.



Legumes and oilseeds



- Integrated system with maize
- High nutritional value
- Potential for value addition & trade
- Women prominent in value chains

Maize

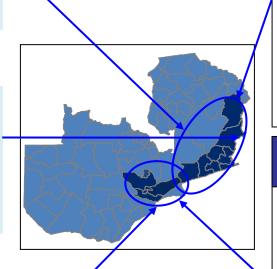


- Maize productivity essential for diversification and household food security
- High productivity potential
- Orange maize (high nutritional value)

Horticulture



- High income potential for landconstrained peri-urban smallholders – particularly women
- High (urban) demand
- Significant contribution to dietary diversity



Eastern province

- 240,000 poor smallholder farmers (1.4M people)
- 14% of underweight children under 5 in Zambia (39,700 children)
- 23% households are single female headed
- Transport corridor Lusaka-Lilongwe-Nacala
- Diversified agriculture base

Selected peri-urban districts (Lusaka/Central)

- 40,500 small-scale producers have significant income potential
- Value-added processing centers (tomato paste) through out-grower schemes
- Lusaka/Eastern marketing link robust for legumes/bulk commodities
- Lusaka/Eastern horticulture linkages can be scaled up over time



Nutrition, health and policy programs complement the value chain focus.







- Identify primary constraints in each prioritised value chain
- Key interventions to address constraints
- Key change agents to sustain transformation

Value Chain in westments Coordinated

household level interventions

Mechanisms to translate benefits to all vulnerable households

Enabling environment / policy

Nutrition/ health



- Primary interventions to achieve improved nutrition in Zambia
- Options to leverage existing health and nutrition interventions

Enabling environment/ policy



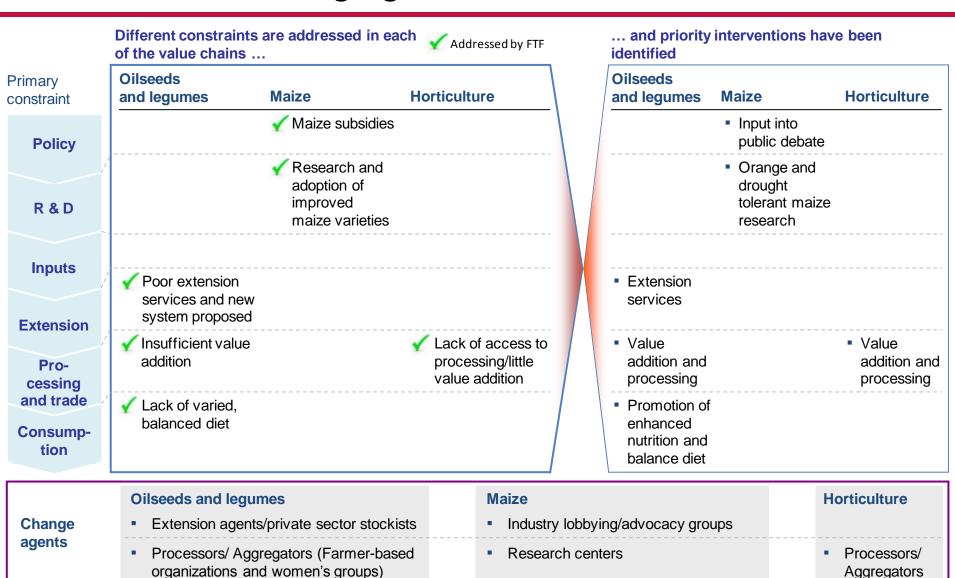
Key agriculture and nutrition related policy issues



Community health workers

and change agents in each value chain. Programs will focus on key interventions







Economic Growth and Health offices will co-locate nutrition interventions.



- Household-level behavior change
 - Community-level interventions leverage health's change agents and platforms
- Value chain interventions
 - Increase the availability and lower the price of nutritious foods

Nutrition-specific Interventions

- Integrated systems strengthening
 - Community-level activities addressing nutrition¹
- Integrated behavior change communications
 - Broad spectrum media campaigns including community channels to elicit behavior change²

 Co-location of EG and GHI programs focused on the household

Complementary Health Interventions

- Integrated systems strengthening
 - TA and capacity development (Family Planning, MCH, malaria, HIV)
- HIV prevention, care, support and treatment
- Logistics
- Social marketing

EG FTF programs

Health
Programs
including FTF



Policy analysis and advocacy will improve the enabling environment.

Policy agenda

Productivity

 Reform Farmer Input Support Programme to improve transparency and role of private sector



 Promote dialogue and build capacity to support reform on biotechnology

Competitiveness

 Encourage predictable, rules-based market and trade policies (including elimination of import and export bans)



Work with COMESA to harmonize regional trade policy

 Support alternatives to large-scale maize purchases by Food Reserve Agency (FRA), such as the Zambian Commodity Exchange (ZAMACE)

Resource commitment

 Encourage allocation of budget commitments under CAADP to support infrastructure and R&D, and to reduce government intervention



Sustainable land use

 Promote reform that enables natural resource benefit sharing between local government and local communities





An economic resilience program will target vulnerable households.



Proposed interventions are necessary but not sufficient

- There is set of complex issues that are not resolved through the proposed interventions:
 - Sustained growth has had little impact on stunting levels
 - Considerable gender-based violence over resource allocation
 - Significant section of population cannot access markets
- USAID/Zambia needs greater clarity on household-level constraints to effectively address them

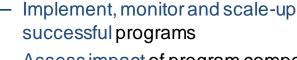
Innovative economic resilience measures to enable household-level impact



- Develop an innovative economic resilience approach to bring Feed the Future benefits to the household level:
 - Generate proposals on innovative household models



 Scale up successful approaches (positive deviance model) which have had 75% reduction in malnourished children < 5





- Assess impact of program components (agriculture, health and nutrition) in comparison to co-located interventions
- Through this USAID/Zambia will extend its learning agenda to the household level



Investments in nutrition, resilience and policy support stronger value chains. CHANGE FUTURE

Drague of (indicative level of offert) Description		
Program (indicative level of effort)	Description	
Oilseeds and a legumes (38%)	 Promote access to seeds and inputs through private stockists and GRZ extension system (some Conservation Agriculture) Support leading processors to aggregate, warehouse, and source from smallholder suppliers 	
of production and income – b Maize (10%) Upgrade value	 Invest in orange maize research with ZARI and GART Promote access to seeds and inputs through private stockists Field test drought-tolerant maize 	
chains (67%) Converge tables (19%)	 Support out-grower schemes, linking smallholders to processors (value addition activities) Promote access to improved irrigation and other technologies. Support traders to scale-up (e.g., business skills, finance, market information and infrastructure 	
Enabling environment and policy (6%)	 Agriculture policy research and advocacy for reform Support to CAADP process 	
Economic resilience (11%)	 Integrated approach to building assets and risk reduction Positive deviance change models that improve utilization Link to value chains 	
Nutrition (16%)	 Capacity building and training of health workers Integrated behavior change communication Link with rural health services and nutrition interventions 	



Zambia's Feed the Future programs will promote innovation...



Proposed program

Innovation components

Oilseeds and legumes

- Agent model for increasing input access through private stockists based on successful USAID/Zambia model
- Aflatoxin testing and prevention

Maize

- Biofortification of orange maize (Vitamin A) through government led research and extension systems
- Drought-tolerant maize

Vegetables

 Price information systems through mobile phones

Enabling environment

- Expanding mobile banking options (payments, electronic vouchers & money transfers), e.g., evouchers for fertilizer distribution
- Support to Agriculture Consultative Forum (ACF) to promote public debate on agricultural policy

Economics resilience and nutrition

 Innovative proposals designed to test and scale up household-level change agent models, such as positive deviance for improved nutrition

Indicative Outcomes



- Increase in number of commissioned communitybased extension workers
- Orange maize campaign; annual increase in production/sales/adoption
- Prices available through mobile services
- Proportion of inputs supplied to farmers by private sector increased











...increase women's incomes and food security....



Proposed program

legumes

Oilseeds and

Gender impact

• Ensure wome

- Ensure women are not displaced from value chains (groundnuts)
- Improved varieties to reflect women's preferences (groundnuts)
- Support women's groups in production and processing enterprises

Maize

- Reduce high labor demand for weeding through access to mechanization and inputs
- Ensure research takes into account women's needs

Vegetables

 Ensure equal trading opportunities and improved market infrastructure for women

Enabling environment

- Evaluate women's land rights in Eastern province
- Explore options to mitigate gender-based violence related to income and asset control

Economic resilience and nutrition

- Promote changes in household behavior for more equitable intra-household distribution of labor burden, food and assets
- Support behavior change to support maternal and infant feeding

Indicative Outcomes

- Technologies tested for relative gender impacts
- Increased numbers of women in horticulture production and marketing
- Models tested for reducing gender-based violence in post-harvest periods
- Models tested for improving intrahoushold allocation of labor and commodities











... and improve sustainable natural resource management.



Proposed program

Sustainability impact

Oilseeds and legumes

Promote Conservation Agriculture, in order to improve soil fertility, increase productivity and reduce deforestation

Maize

 Develop adaptive crop varieties for increased productivity under changing climatic conditions (drought tolerance)

Horticulture

Promote efficient water use

Enabling environment

 Support Zambian policy research capacity and advocacy

Economic resilience and nutrition

 Ensure community (shared) benefits from natural resource use, including land rights/access, particularly by women, and promote reduction of deforestation

Indicative Outcomes

- Increased adoption of conservation agricultural methods
- Drought-resistant maize varieties available and utilized
- Improved irrigation technologies applied by horticulture growers (partnership with World Bank)
- Zambian institutions promote policy reform









By leveraging partners' investments, FTF/Zambia will maximize impact. CHANGE FUTURE



Proposed program areas	Key donor investments	Who?	Potential partner?
Oilseeds and legumes Maize	 Conservation Agriculture promotion ZAMACE procurement and storage Drought tolerant maize/tropical legumes 	Word Food Frogramme Word Food Frogramme Fig. 1. Sept. 1	✓
Horticulture	 Peri-urban smallholder irrigation Market infrastructure upgrade 	WORLD / SIFC	✓ ✓
Enabling environment	 Agriculture policy support and advocacy Capacity building in Ministry of Agriculture and Co-operatives (MACO) Feeder roads in Eastern province Smallholder financial services 	Sida WORLD SINCE WORLD SANK WORLD SANK WORLD SINCE WITHER WORLD SINCE WITHER WORLD SINCE WORLD SINCE WITHER WITHER WITHER WORLD SINCE WITHER WITH	✓
Economic resilience and nutrition	 Food vouchers and/or school feeding Scaling Up Nutrition (SUN) Poverty reduction and social safety nets 	Foreigness of Proggs Affairs An Asian Control European Trish Aid Eventual Trish Aid Eventual European	✓ ✓



Work across the U.S. Government contributes to FTF outcomes.



Whole-of-Government (WOG) Interventions in Agriculture



Investment promotion



 SPS regulations; aflatoxin reduction

 Aflasave technology (IITA, BMGF, USDA)



 PC Volunteers in agriculture (food security) Diet and income diversification to increase food security and reduce malnutrition

WOG Interventions in Health



 Volunteers in health, HIV/AIDS cross cutting



 HIV/AIDS and health systems strengthening



 PEPFAR HIV/AIDS: Coordination across HIV/AIDS interventions



 HIV/AIDS prevention, care, support on military bases

Enabling environment/Cross cutting





Policy dialogue



 Future linkage to Kafue Game Management Area





USAID/Zambia continues to explore regional linkages and opportunities. CHANGE FUTURE





Coordination opportunities

USAID East Africa

Support efforts with Alliance for Commodity Trade in Eastern and Southern Africa (ACTESA) and COMESA, (grain standards harmonization and trade policy)

USAID Malawi

- Look for joint trade linkage opportunities, (legumes/oilseeds)
- Coordinate investments in aflatoxin research and management

USAID Mozambique

- Identifying opportunities for trade linkages through the Nacala Corridor
- Coordinate drought-resistant maize research

Regional export opportunities

Exports to East Africa and beyond, via Dar es Salaam port

- Exports along Nacala Corridor via Malawi to Mozambique's deepwater ports
- Leverages new dry port, and Mozambique's focus on the Beira and Nacala Corridors

USAID Southern Africa

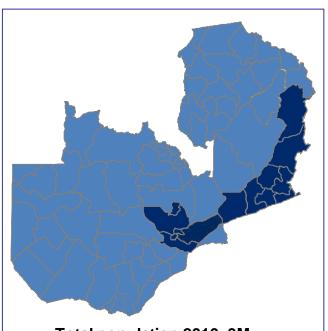
- Support efforts with COMESA trade standards harmonization, regional commodity exchanges, trade policy)
- Ensure new trade hub focuses on commodities and trade issues identified

Exports through Southern Africa to Durban. Zambia's main import/export trade route



FTF/Zambia will significantly reduce poverty and undernutrition by 2015. CHANGE FUTURE





Total population 2010: 3M

- Eastern (all): 1.7M
- Lusaka/central (selected districts): 1.3M

Total population 2015: 3.5M

- Eastern (all): 2.0M
- Lusaka/central (selected districts): 1.5M

From 2010 ...

- To 2015 ...
- Today, 2.3m out of 3m people live in poverty
 - 79% prevalence in 2010
- By 2015, reduced from 2.7m to 2.4m out of 3.5m predicted population in 2015
- 70% prevalence in 2015
- 340,000 people lifted out poverty

Nutrition

Poverty

Today, there are 70,400 underweight children <5

- By 2015, number of underweight children <5 will be reduced to 72,300 from a projected 81,800
- 9.500 <5s or 11.6% lower than predicted

Policy

- >50% MACO budget in subsidies
- GRZ delivers fertilizer
- Proportion of fertilizer by private sector increased to 80%



USAID/Zambia is developing a detailed M&E plan to monitor progress.



	Other indicators (5 years)	
Diversification of production and income – Upgrade value chains	 Gross margin per unit of land or animal of selected product Number of female-headed households removed from poverty Percentage income increase of female-headed households through value chain interventions 	
onamo	 Number of farmers, processors, and others who have adopted new technologies or management practices as a result of USG assistance 	
Enabling environment and cross cutting activities	 Value of incremental sales (collected at farm/firm level) attributed to Feed the Future implementation Value of new private sector investment in the agriculture sector or food chain leveraged by Feed the Future implementation (Change in value – investments local and international) 	
Economic resilience	 Change in average score on Household Hunger Index Number of women with effective control of productive assets 	
Nutrition	 Percent of children 6-23 months that received a Minimum Acceptable Diet 	



Feed the Future in Zambia is transitioning FUTURE from design to implementation.



Immediate next steps

- 1. Incorporate strategic review feedback
- Develop and submit detailed multi-year strategy
- 3. Finalize procurements
- 4. Begin implementation