Basic Statistics

- More than half of Timor-Leste's people live in poverty, and the number is growing.
- Two-thirds of our people live in rural areas, largely by subsistence farming.
- About 1,200 Timorese children under 5 years old die from preventable conditions every year ...
 20 times the number of people who die from physical violence.
- Poor sanitation and malnutrition are endemic.

The rest of these slides were not shown during the talk, although some were used during the question-and-answer period which followed.

Basic Statistics

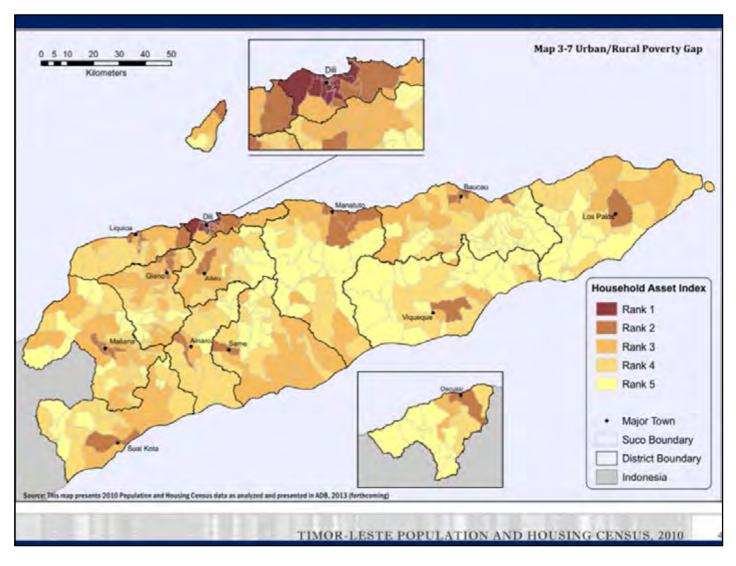
By 2021, 200,000 more babies will have been born, and the only producing oil and gas fields will be used up.

How will they survive?

Most people live in rural areas by subsistence agriculture.

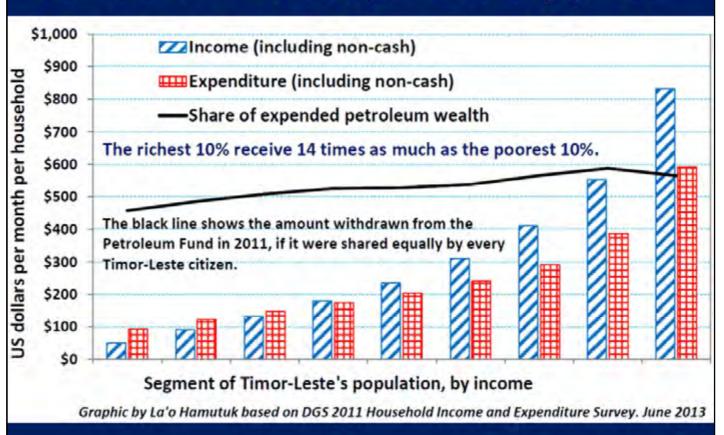


Agriculture will get 1.9% of state expenditures in 2016, although it is the livelihood of 65% of the population.



This map from the 2010 Census shows the value of things people own – one measure of wealth or poverty. Outside the national and district capitals, there isn't much left.

We have a few rich, but many poor.

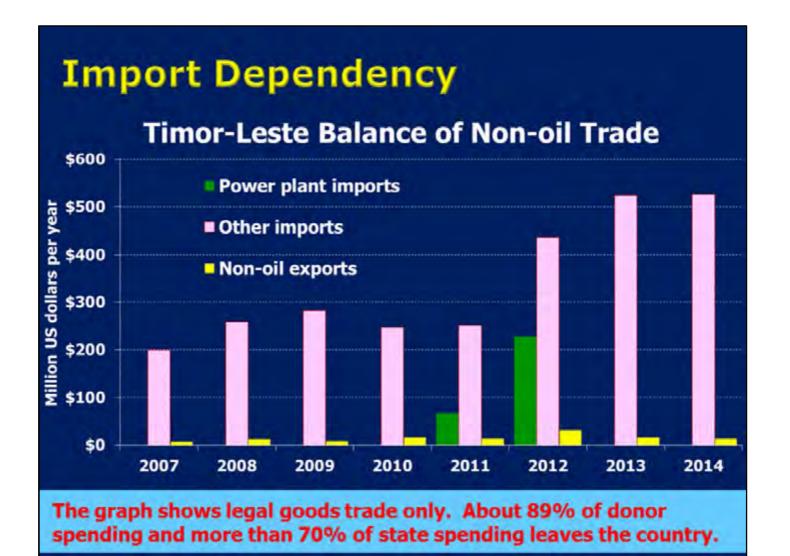


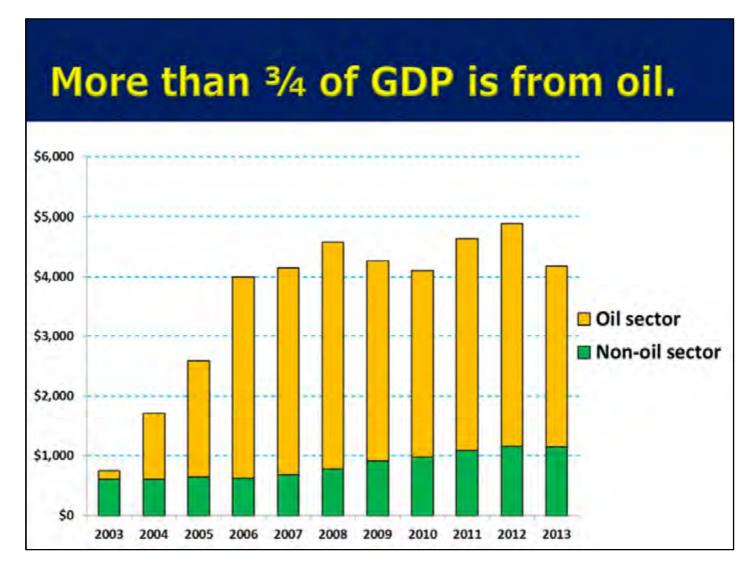
About half of Timor-Leste's people get by on less than one dollar per person per day.

dth quintiles			and at 614	alth Sur		7 10 2 7 2
ion of the de	jure populatio	n by wealth q	uintiles, accor	ding to residen	ice and regio	n, Timor-Lest
	Wealth quintile			- 577.7	Number of	
Lowest	Second	Middle	Fourth	Highest	Total	population
						15,852
24.6	24.2	23.3	19.2	8.7	100,0	51,134
20.0	22.5	42.7	2.4	2.2	3444	
		1000				2,785
100 40 4 100		A SELECT			and the state of t	3,830
					A 46 Sec. 1-4	7,590
						6,323 3,993
						10,905
						8.132
				100000		4.547
	4	Section 6	1000 0000			4,082
	10.9			16.8	100.0	3,088
28.3	25.1	18.1	16.6	12.0	100.0	2,699
46.6	17.1	14.4	14.2	7.6	100.0	4,281
35.3	25.5	17.4	13.0	8.7	100.0	4,730
19.9	19.9	20.0	19.9	20.3	0.001	66,985
	1.5 24.6 20.6 30.9 26.9 15.2 17.2 0.4 9.8 28.0 15.7 22.2 28.3 46.6	Lowest Second 4.5 6.1 24.6 24.2 20.6 27.9 30.9 32.2 26.9 28.9 15.2 19.7 17.2 17.7 0.4 2.1 9.8 30.2 28.0 16.7 15.7 18.8 22.2 10.9 28.3 25.1 46.6 17.1	Wealth quintib Lowest Second Middle	Wealth quintile Lowest Second Middle Fourth	Wealth quintile Lowest Second Middle Fourth Highest	Wealth quintile Lowest Second Middle Fourth Highest Total

This shows that in 2009, 71% of Dili's population was among the richest 20% of Timor-Leste's population.

If we consider the lowest two quintiles as living in extreme poverty, only 2.5% of Dili's population were below the poverty line.



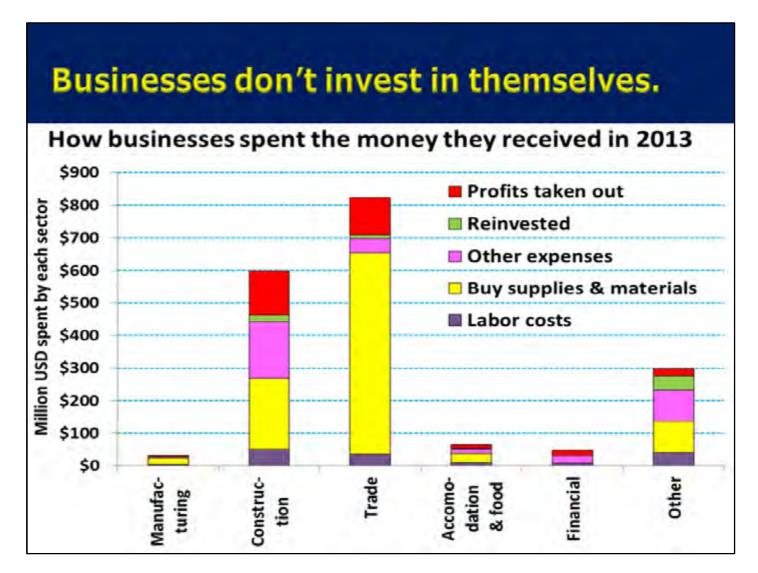


After correcting for inflation, oil GDP has been more-or-less constant since 2006. It is declining since 2011 as fields are depleted.

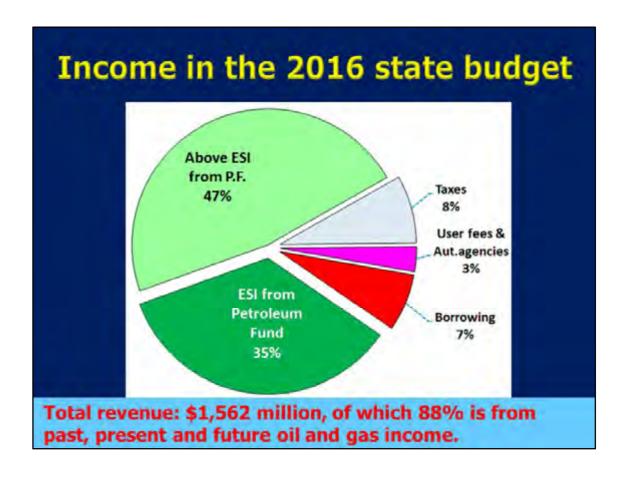
Timor-Leste's GDP is falling and uncertain

Real growth in total GDP	Date used	2011	2012	2013	2014 (proj)
RDTL National Accounts (2013)	Jun-15	12.6%	5.2%	-13.9%	
IMF Article IV Consultation (2014)	Oct-14	7.9%	-10.4%	-10.7%	-10.2%
RDTL 2015 State Budget	Oct-14	9.8%	5.6%		
World Bank EAP Economic Update	Oct-14		5.7%	-3.2%	-6.9%
IMF Article IV Report (2013)	Dec-13	7.3%	5.7%	-3.2%	-6.9%

Non-oil GDP per capita also fell in 2013, as the population grew faster than the economy.



Their logical behavior is rent-seeking: get a government contract, and spend as little as possible in order to get paid and get another one. Entrepreneurs work harder and don't make as much money.



Both green parts are from the Petroleum Fund. The lower (dark) part is the sustainable level – the amount which theoretically could be withdrawn every year, forever. The lighter green is the withdrawal in excess of the sustainable level. The red part, which is loans, will eventually have to be repaid – probably mostly with petroleum money if there is any left.

But we don't have very much oil.

	Timor- Leste	TL without Sunrise	Australia	Brunei
Known oil and gas reserves per person	605 barrels	168 barrels	1,170 barrels+ (1,150 without Sunrise)	6,438 barrels
How long reserves will last at 2014 production rates	16 years	4 years	51 years+	23 years

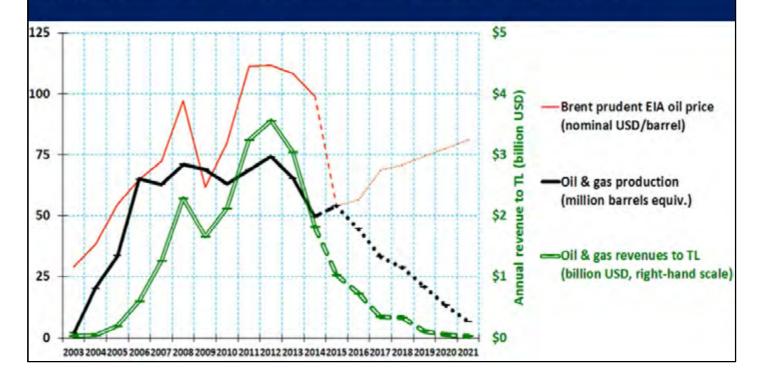
Timor-Leste includes 50% of Greater Sunrise.

Duration calculated based on 2014 reserve/production ratios. Australia is likely to find more reserves and have higher production rates in the future, but TL may not.

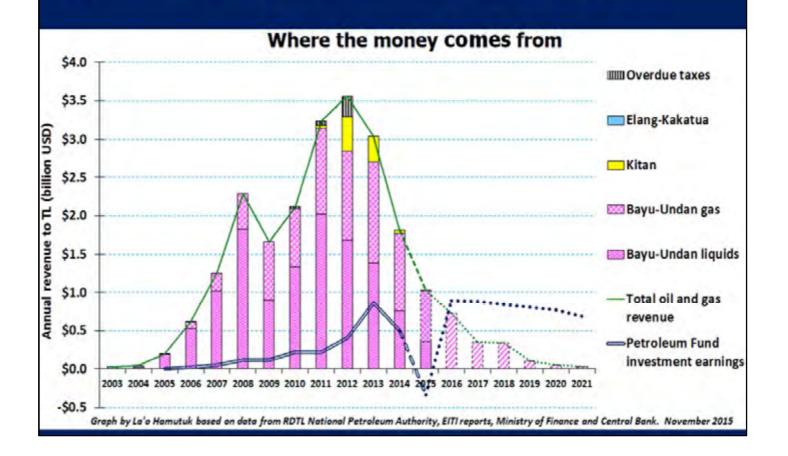
Oil and gas income is falling since 2012.

Production is falling faster than the oil price, and will not go back up.

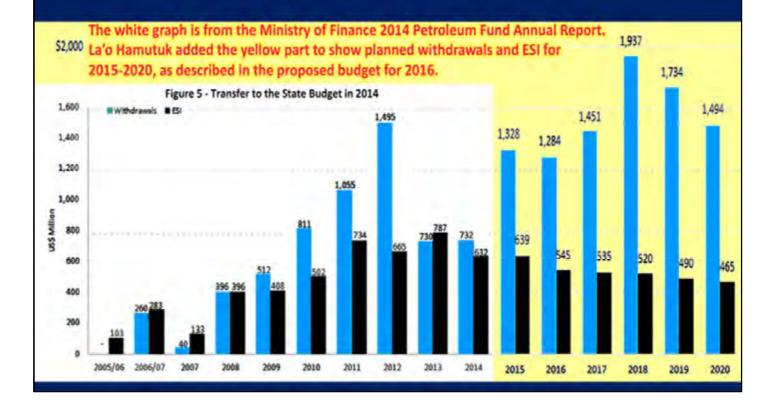
The price will be irrelevant when we have nothing left to sell.

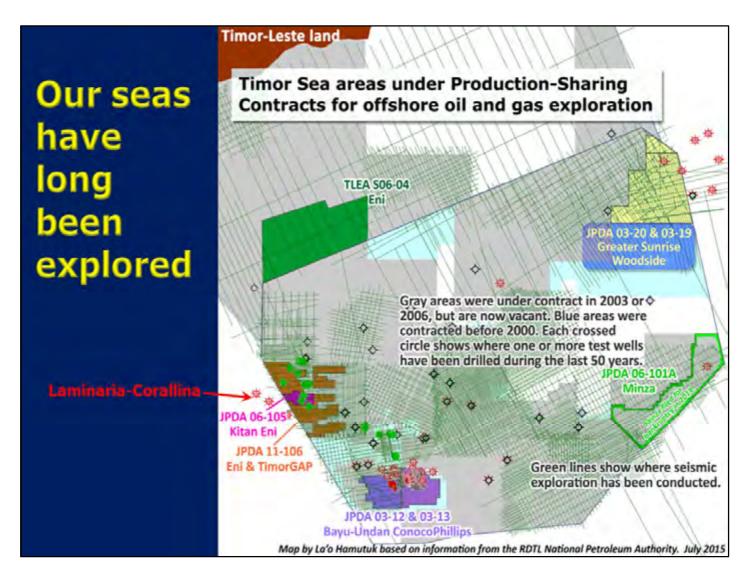


Where TL's oil income comes from



ESI and past and future transfers from the Petroleum Fund

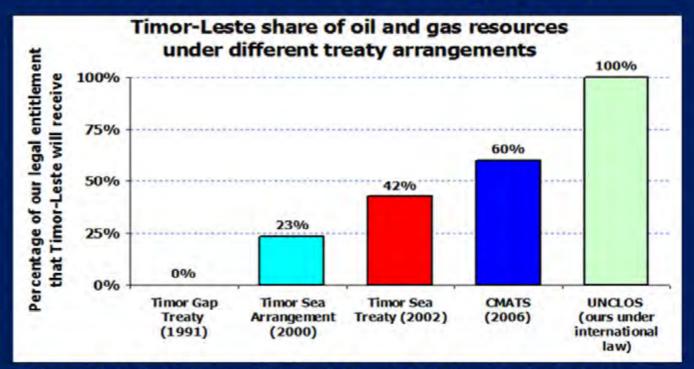




At the last Timor-Leste update, ANP President Gualdino da Silva was optimistic that there are more oil and gas fields waiting to be found. Although none has been discovered since then (and Kitan has shut down, while Oilex and Minza gave up looking), this should not be too surprising as there has been a lot of exploration for the last several decades.

Laminaria-Corallina, which will soon shut down, has provided more than \$2 billion to the Australian government since starting production in late 1999 – more than all Australian aid to Timor-Leste since then.

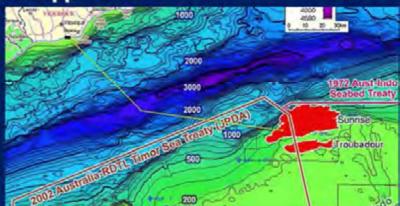
Australia is still stealing 40%.



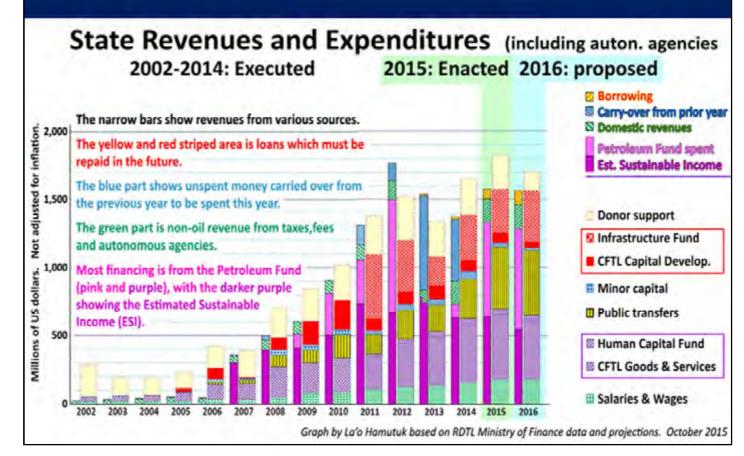
This graph includes known fields which would belong to Timor-Leste under the international law median line principle: Bayu-Undan, Elang-Kakatua, Greater Sunrise, Kitan, Laminaria-Corallina and Buffalo.

The Greater Sunrise stalemate

- The project is stalled because Timor-Leste and the companies do not agree on how it should be developed.
- Woodside and its partners Shell, ConocoPhillips and Osaka Gas believe a floating LNG plant in the sea is the most profitable.
- Timor-Leste wants a pipeline from Sunrise to Beaçu, to get more tax revenues and anchor the Tasi Mane project.
- Under contracts and treaties, the companies can choose the path, but both governments need to approve it.
- TL can withdraw from most of CMATS any time before a development plan is approved.
- Because of Australian spying, TL is trying to invalidate CMATS.



State Budgets 2002-2016



Oil revenues started in 2005-2007. From 2008-2012, Timor-Leste state expenditures grew more than 25% annually, higher than every nation except Zimbabwe. Although the fiscal envelope has shrunk since 2012, increase rates of execution mean that state spending continue to increase.

The narrow bars show revenues, with pink and purple coming from the Petroleum Fund. However, the blue (carryover) and yellow/red (debt) also come from the Petroleum Fund in the past and the future.



PLANEAMENTU NO PANORAMA EKONOMIKA



5 Fatores Prinsipais

- Prioridade Nasional ba 2016: (1) Edukasaun (2) Saude (3)
 Agrikultura (4) Infrastrutura Bazika (inklui Bee mos no saneamentu no Operasaun no Manutensaun)
- 2. Kapasidade Ezekusaun \$1.570 miliaun

Taxa Ezekusaun to'o dia 9 Novembro 2015 = Real=57%, Obligasaun = 14%, Komitmentu = 8%. Balansu = 21%

3. Sustentabilidade Fiskal

Despezas =< Reseitas

- Kualidade Orsamentu
 - Ligasaun entre Planeamentu, Orsamentu no Monitorizasaun
 - Despezas Rekorentes vs Kapital
- Kapasidade Ekonomika hodi Absorve

Inflasaun no despezas ne'ebe sai ba rai-liur

28 November 2015

Vice Minister of Finance Helder Lopes presented this slide to Parliament last week. If only it were true.

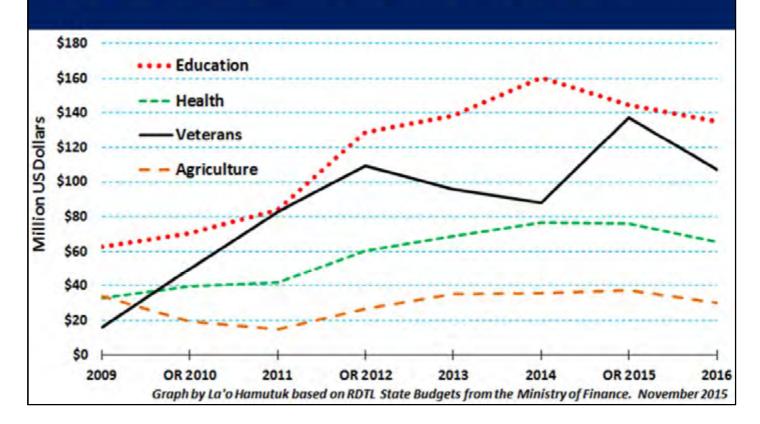
The 2016 Budget still neglects farmers, students, and health care.

Allocation of the proposed 2016 State Budget (US \$1,562 million)



Health and education are cut in this year's budget, and Timor-Leste is still spending about 40% less than well-managed developing countries, although our large child population makes our needs higher than average.

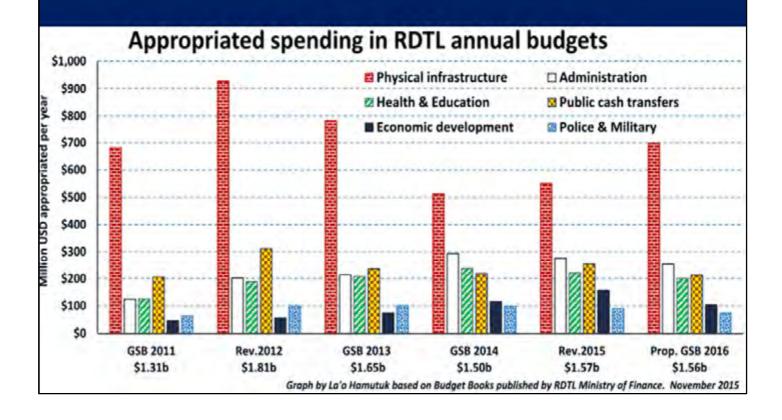
Appropriations for "prioritized" sectors in annual State Budgets.



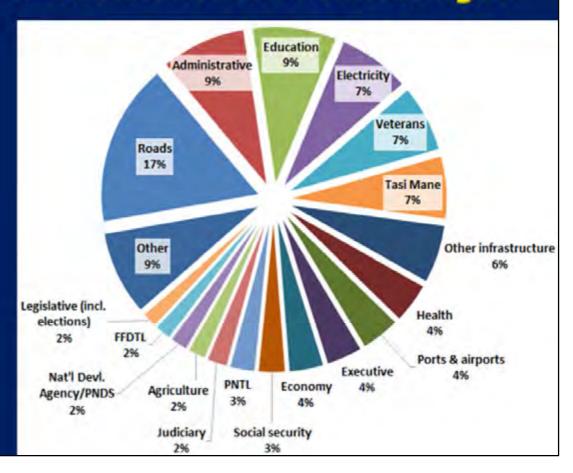
The Vice Minister's other "priorities" – water and maintaining infrastructure – get almost nothing.

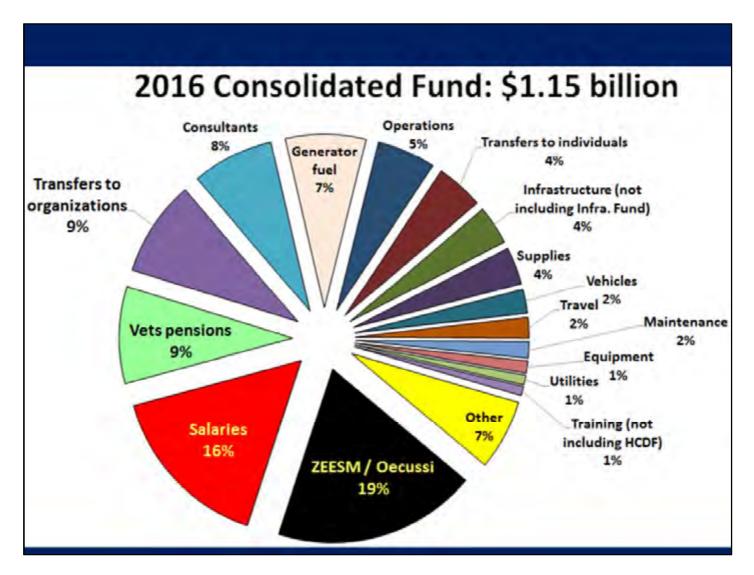
Although pensions for veterans are not an official priority, they still get a lot of money, even though the proposed 2016 budget will reduce it.

The 2016 budget increases infrastructure and cuts everything else.



Sectoral allocation of the 2016 budget





In addition to the Consolidated Fund, the State Budget allocates \$34 million for training and scholarships, and \$377 million through a Fund for large or multi-year physical infrastructure projects.

Building physical infrastructure gets \$589m in 2016, 38% of the budget. **Including:** Local (various) 6% Infrastruc-Airports 11% ture Fund Finance IT 3% Loans Tasi Mane 16% Planning 3% **CFTL Devel-**Drainage 3% opment Ports & boats 2% Capital Housing 2% ZEESM Office buildings 2% Tasi Mane Bridges 2% Agriculture 2% Roads 43% Electricity 1.1% **PDID** Youth 0.6% Tourism 0.5% **PNDS** Security 0.5% Health 0.4%

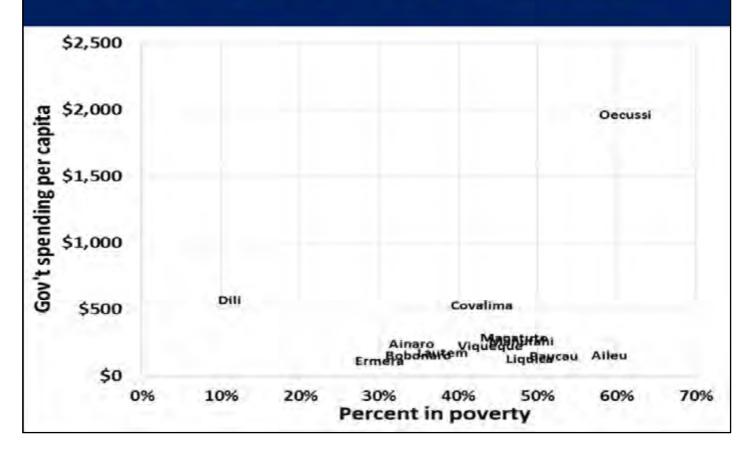
Only a very small upper class have their own cars, and a tiny minority of the population uses airports or will benefit from petroleum infrastructure. However, all the decision-makers will.

Water 0.02%

Education 0.10%

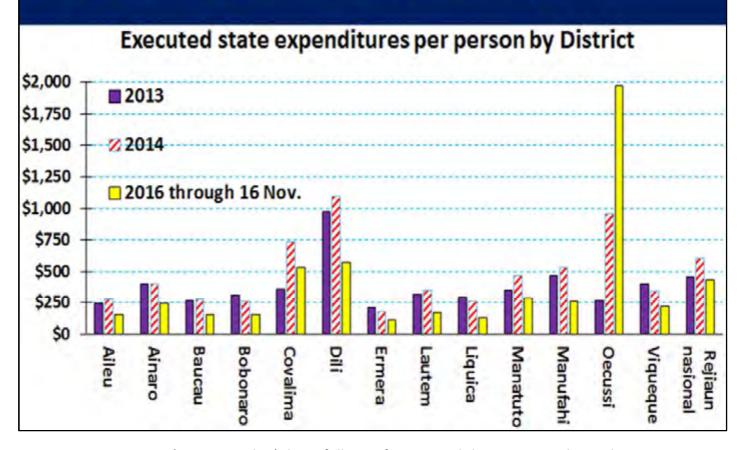
Other 3%

To each according to her needs?



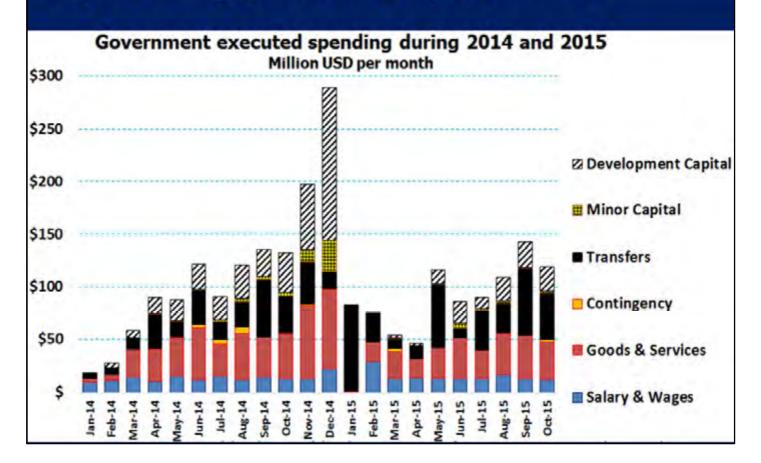
The poverty estimates are from the 2011 Household Income and Expenditure Survey, of people who spend less than a dollar a day. However, Timor-Leste has no solid data more recent than 2007.

Spending is not equitable.

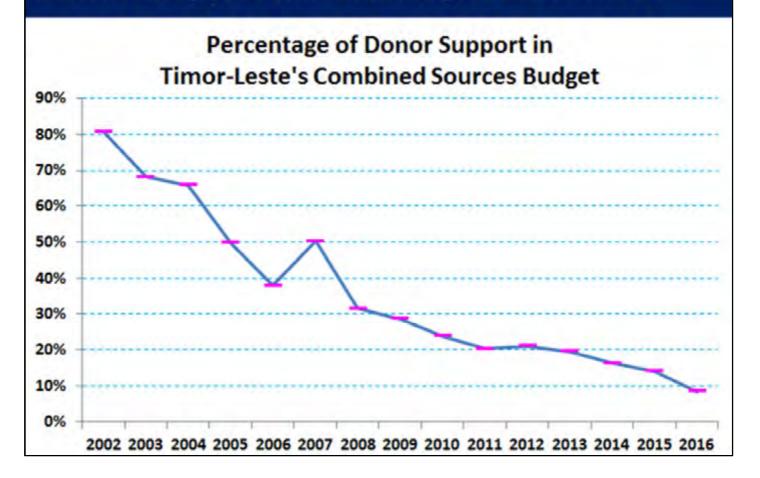


As 2015 isn't over, we don't have full-year figures, and the state spends much more in November and December.

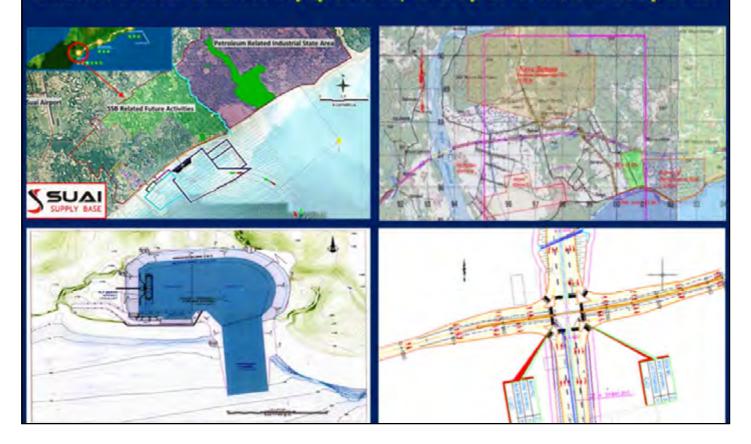
Spending peaks at year-end.



Donor support is less important now.



The Tasi Mane Project includes the Suai supply base, Betano refinery, Beaçu LNG plant, 150-km highway, onshore and offshore pipelines, 2 airports and 2 seaports.



Tasi Mane petroleum infrastructure project

- In 2010, Timor-Leste began the South Coast Petroleum Corridor.
- Total project costs could be at least \$15 billion (much more if Timor-Leste pays for the refinery, gas pipeline or LNG plant).
- The state has already spent \$94 million on TMP.
- The proposed budget allocates \$97 million in 2016 and \$1.6 billion in 2017-2020, but leaves out the largest items.
- The most expensive contract in the nation's history was signed in August: \$719 million to build the Suai Supply Base.



Suai Supply Base

- RDTL just signed a \$719,212,000 contract with Hyundai Engineering and Construction to build the Suai seawall and Supply Base.
- This is more than Timor-Leste has spent on education since independence in 2002.
- The Audit Court has rejected the contract, but Government is appealing.
- Other TMP contracts for Suai will cost at least \$100 million more.

Suai Supply Base



COMISSÃO NACIONAL DE APROVISIONAMENTO MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO

Intent to Award

Tender Number	Description	Winning Contractor	USD: 719,212,000
ICB/012/MPMR-2013	Design and Construction of Suai Supply Base	Hyundai Engineering & Construction Co., Ltd / Hyundai Engineering Co., Ltd	
		(HDEC-HEC) consortium	

The National Procurement Commission will respond to any protest in writing received at the Office of the National Procurement Commission, Rua dos Direitos Humanos, Dili, Timor-Leste no later than five (5) working days from the posting of this tender result.

Aniceto do Rosario

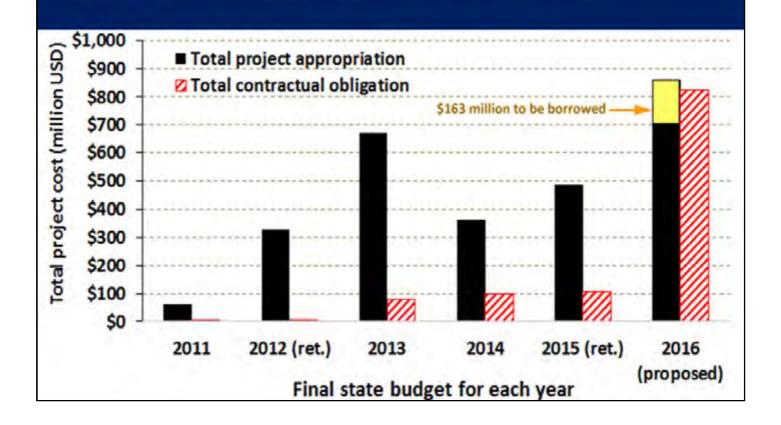
National Procurement Commission

Dated: 12 June 2015

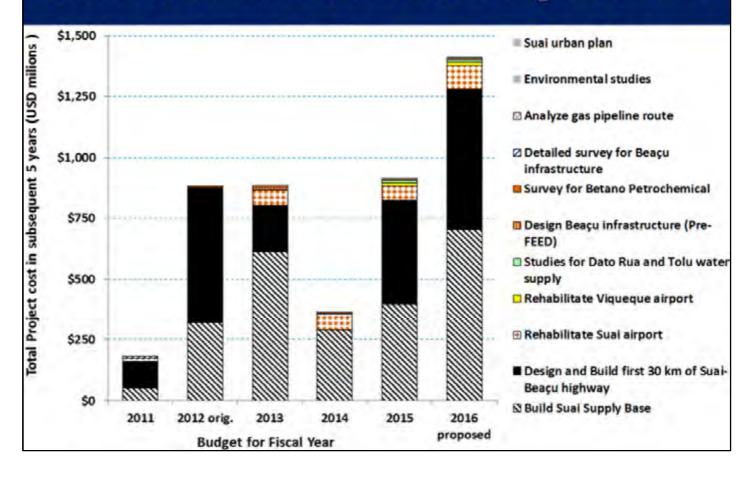
Timor-Leste and Hyundai Engineering signed this \$719 million contract on 27 August 2015. It is the largest contract in the nation's history, more than the total spent on education since independence was restored in 2002.

Hyundai is currently blacklisted by the Korean government for collusion.

Allocations for Suai Supply Base and Airport for the whole project cycle.



What will the Tasi Mane Project cost?



Problems with the Tasi Mane project

- It makes TL more dependent on the oil and gas sector.
- Dubious concepts and planning; it is unlikely to provide a reasonable return on the multi-billion-dollar investment.
- It neglects sustainable development (agriculture, tourism, small industries etc.), exemplifying the obsession with oil.
- Nearly all the money will go to foreign companies, providing hardly any local jobs or subcontracts.
- It will create social conflict, take up land, displace people, worsen health and degrade and endanger the environment.
- Cost projections leave out most expenditures, including nearly all of the highway, LNG plant and refinery.
- What if Sunrise gas doesn't come to Timor-Leste?

The Government has made many unrealistic promises to local communities about profit-sharing, jobs and other benefits.

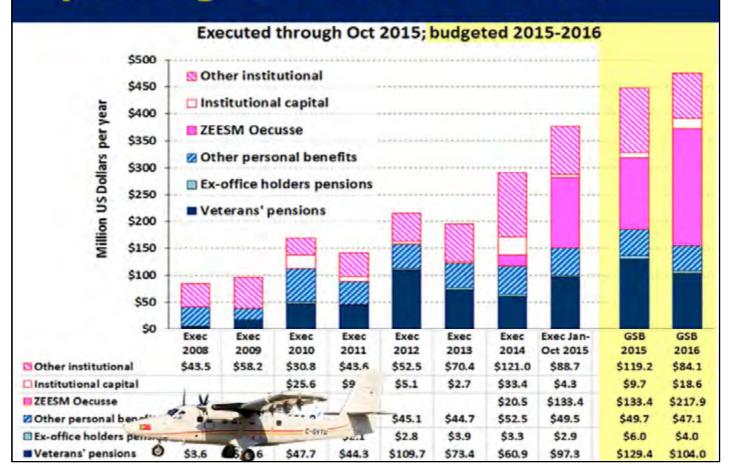
Special Market Zone in Oecusse



- For 2016, ZEESM has \$218 million with no accountability.
- What are Oecusse's competitive advantages?
- Can ZEESM recover a \$4 billion investment?

Who benefits: residents of Oecusse or political ex-opposition?

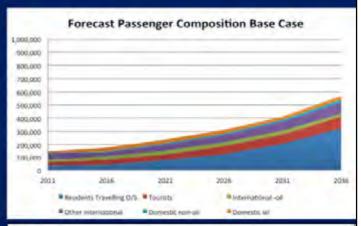
Spending on Public Transfers

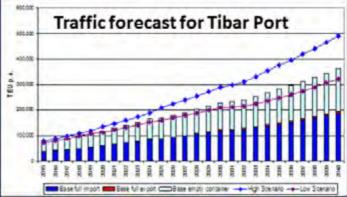


The ZEESM economic zone in Oecusse is being funded by public transfers, so it has very little financial transparency. In 2016, ZEESM will absorb 14% of the state budget, although only 6% of Timorese citizens live in Oecusse. Unlike Tasi Mane, we have little information about what ZEESM will be, how much it will cost or what benefits are expected.

Overbuilding ports and airports

- IFC is encouraging Timor-Leste to build Tibar port and Dili airport far beyond realistic traffic expectations.
- How will the country pay for a \$6 billion annual trade deficit after the oil is gone?





Timor-Leste changes every year.

Population

Increases 1.8% every year, slower than 5.3% in 2004 and 2.4% in 2010. The post-war "baby boom" will start having children in the next few years.

Inflation

Consumer prices went up 11% during 2012, but rose only slightly in 2013-15 due to slower state spending and the rising US dollar.

People's needs and desires will increase as the nation develops.

The rising U.S. dollar lowers inflation, but it also lowers oil prices (both selling and buying) and makes imports cheaper. However, the part of the Petroleum Fund invested in other currencies loses value. Inflation in TL is nearly zero, but it should be negative 5% when exchange rates and inflation in Indonesia and other countries we import from is considered. Importers are doing well.



The post-war baby boom is working its way through primary school, but we are losing another generation from poor education, nutrition, sanitation and health care.

Timor-Leste is going deeper into debt.

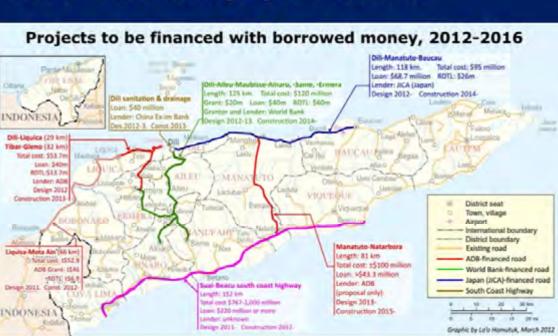
- Laws since 2009 paved the way for foreign loans.
- Between 2012 and 2015, Timor-Leste signed contracts to borrow \$211 million from Japan, the ADB and the World Bank to build roads.
- During 2016-2020, TL plans to borrow more than a billion dollars for physical infrastructure:

2016	2017	2018	2019	2020
\$107m	\$348m	\$366m	\$160m	\$39m

But the 2015 State Budget had different numbers:

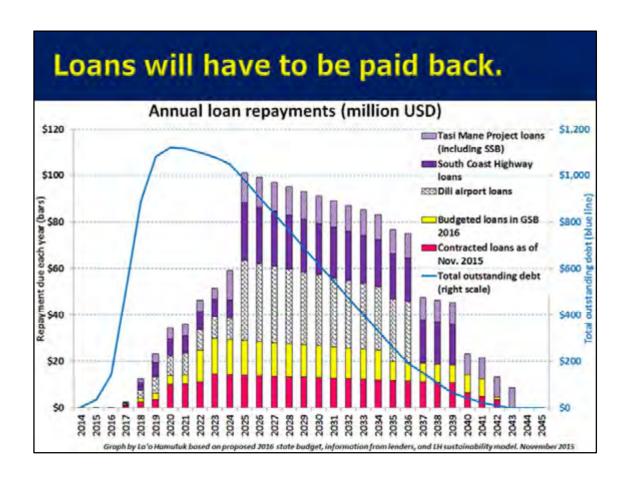
\$194m \$135m \$160m \$50m

Most loans will pay for roads.



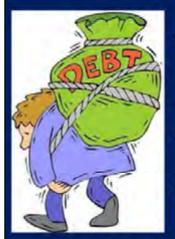
Borrowing in GSB 2016. Many projects after 2018 are left out.

This table is from Book 6 of the proposed 2016 State Budget, showing loan-financed projects. Many projects after 2018 are not included. Programa de Empréstimos		Despesas Estimativas Dezembro 2015 \$7000 28,568	Orçament o 2016 \$*000 107,002	Orçament o 2017 \$1000 348,385	Orçament o 2018 \$1000 366,213	Orçament o 2019 \$1000 160,451	Orçament o 2020 \$1000 39,178								
								Construção e Supervisão de Estradas Dili-Liquiça (L)	9,500	2,650	6,731		T	-	
								Construção e Supervisão de Alinhamento de Estradas desde Cruzamento Tibar a Rotunda Latatic Quatro Vias (L)			2,800	5,600	- 6	-	
Construção e Supervisão Estradas Tibar-Gleno (L)		4,372	3,722			-									
Construção e Supervisão de Estradas Dili-Manaluto-Baucau (L)		3,990	18,500	12,000	10,800		(-)								
Construção e Supervisão de Estradas Manatulo-Natarbora (L)		8,720	9,780												
Construção e Supervisão de Estradas Alleu-Maubisse e Ainaro (L)		8,837	11,406	14,219		-	-								
Construção e Supervisão de drenagem de Dili (Esgolo) (L)			5,000	31,830	14,880	3,720									
Construção e Supervisão de Estradas Altuto-Hatubulliko-Lelefoho-Ermera-Gleno (L)				14,500	16,160	8,620	2,150								
Construção e Supervisão do Aeroporto Internacional Nicolau Lobato [Pista + Termina Fase [i]]			15,000	98,840	117,790	58,740	14,680								
Construção e Supervisão de Estradas Baucau-Lautem			7,000	14,000	18,000	9,500	2,818								
Construção e Supervisão de Estradas Maubara - Motain e Atabae - Motain			2,563	4,966	3,133	1,771	-								
Construção e Supervisão de Estradas Baucau-Viqueque			7,500	14,880	16,580	8,840	2,210								
Construção e Supervisão detalhadas relativamente a Estradas e Pontes - Auto Estrada Sual-Betano-Beaco (L)	10,000		15,000	84,000	109,200	37,440	9,360								
Concepção de construção e Supervisão para o Desenvolvimento de Infra-estruturas na Costa Sul em Suai - Base de Fornecimentos (L-)		,	10,000	53,550	59,670	31,820	7,960								



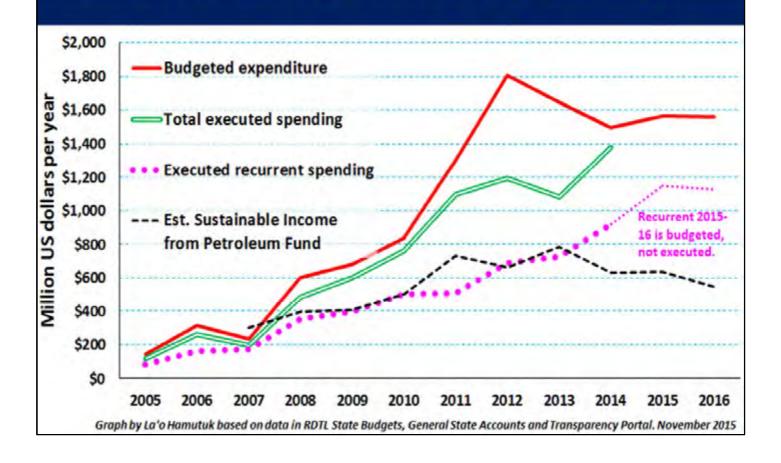
Ten years from now, as grace periods end and repayments are over \$100 million per year, the Petroleum Fund may be entirely gone.

Important to consider

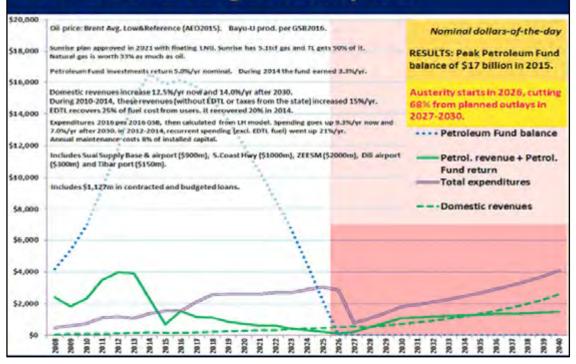


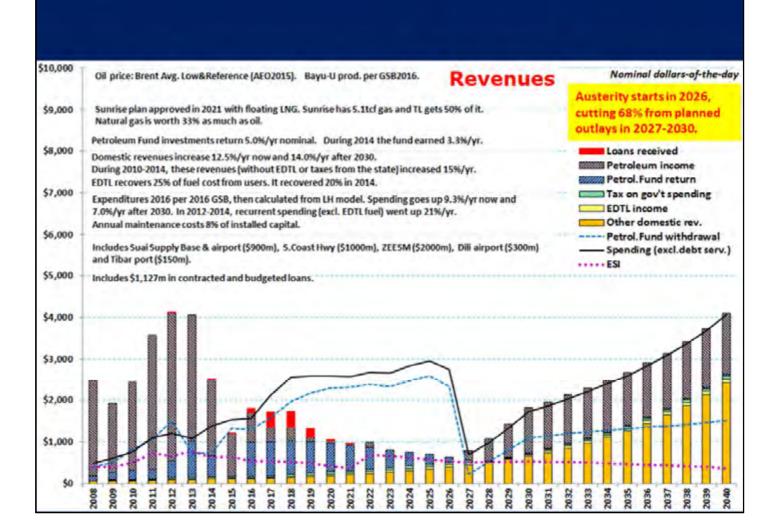
- Implementing the SDP will require billions of dollars in loans, probably at commercial rates.
- Even at concessional rates, repaying a loan will permanently reduce money in the Petroleum Fund. The yen loan makes us hostage to a strong dollar.
- TL's oil and gas reserves are limited, nonrenewable, and 75% depleted already.
- TL will have to make loan repayments before spending money on people's needs or developing other sectors.
- Our children and grandchildren will inherit the debt after the oil wells have run dry.

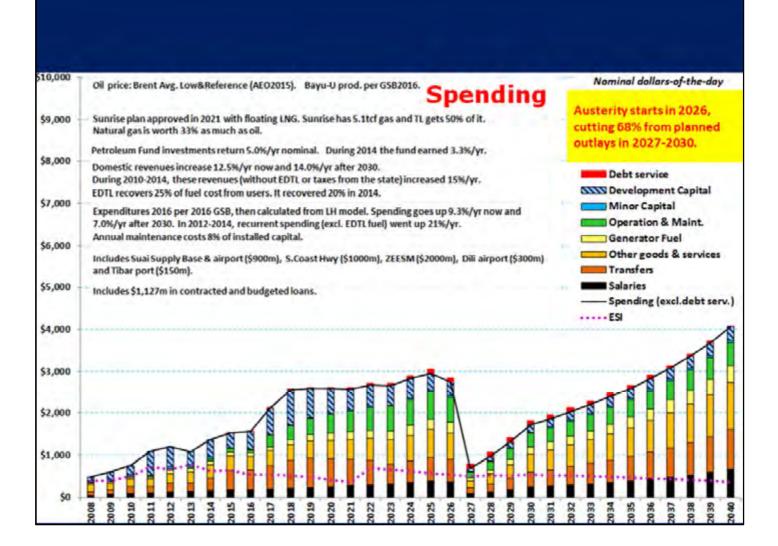
Budgeted & executed spending



If current plans continue, TL will be unable to finance its budget in ten years.







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Ballette I Sand Provide I Sportschool I Harvella A Association II Review Statement I LH Stor I Human

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Prosesu Kima ba ita (\$/10) Sensor Balla's Remobile

Brent Crude Oil

\$57.87 41.30 2.25%

Recent Postings

- · Apr 2015: LM submission to Parliament on 2015 Budget Revision (also Tetum, Komunikadu Imprenna)
- . Mar 2015: General State Budget for 2015 (including Gov's Program, proposed pertification, substitute test and other documents and
- . Mar 2015: Proposed LNG Plant in Beacu, including LH letter orging cancelling of design contract tender (also Tetum and blog)
- Mar 2015: In Flocal Policy Sustainable? presentation (also POF), also Politika Fiskal Sustentavel ka lae? (PDF)
- Feb 2015: Can the Petroleum Fund Exercise the Resource Corse from TL7
- . Feb 2015: LH Blog: letter orging consideration of lower oil prices in revision of 2015 State Budget (also Tetum) and Ministry of Finance onse (also Tetum)
- Peb 2015: LR Blog: Transparency Initiative (EITI) gets a little more cuaque (also Teium)
- . Feb 2015: LM Blog: It takes more than money in achieve development: Lessons for and from Timor-Leste (also Tetun)
- . Feb 2015: Resource list on Executive Interference in Timor-Leste's Indicial System
- . Ian 2015: Media Law, documents and recommentary with Court Opinion and enacted law
- . Jan 2015: Bobby Boye: Convict, Advisor and Fraud (also Teison)
- . Dec 2014: TL government blocks publication of IMF Article IV report for 2014

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