



Vital FSM PetroCorp: Coconut For Life



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R & D Conference - Sept 14, 2018



- **Coconut For Life Project “C4Life”**
 - 1. Introduction**
 - 2. Update**
 - 3. Opportunities**
 - 4. Support from FSMR&D**

Intro: PL 18-68



'The Coconut Tree Act'

(June 16, 2014)

EIGHTEENTH CONGRESS OF THE FEDERATED STATES OF MICRONESIA

SECOND REGULAR SESSION, 2013

CONGRESSIONAL BILL NO. 18-65

P.C. NO. 18-301

PUBLIC LAW NO. 18-68

AN ACT

To repeal section 201 through 215 of title 22 of the Code of the Federated States of Micronesia, as amended by Public Law No. 11-26, in their entirety and inserting new sections 201 through 212 in lieu thereof, in order to dissolve the Federated States of Micronesia Coconut Development Authority, and repose the responsibility for coconut development in the Federated States of Micronesia Petroleum Corporation, and for other purposes.

BE IT ENACTED BY THE CONGRESS OF THE FEDERATED STATES OF MICRONESIA:

1 Section 1. Sections 201 through 215 of title 22 of the Code
2 of the Federated States of Micronesia, as amended by Public Law
3 No. 11-26, are hereby repealed in their entirety.

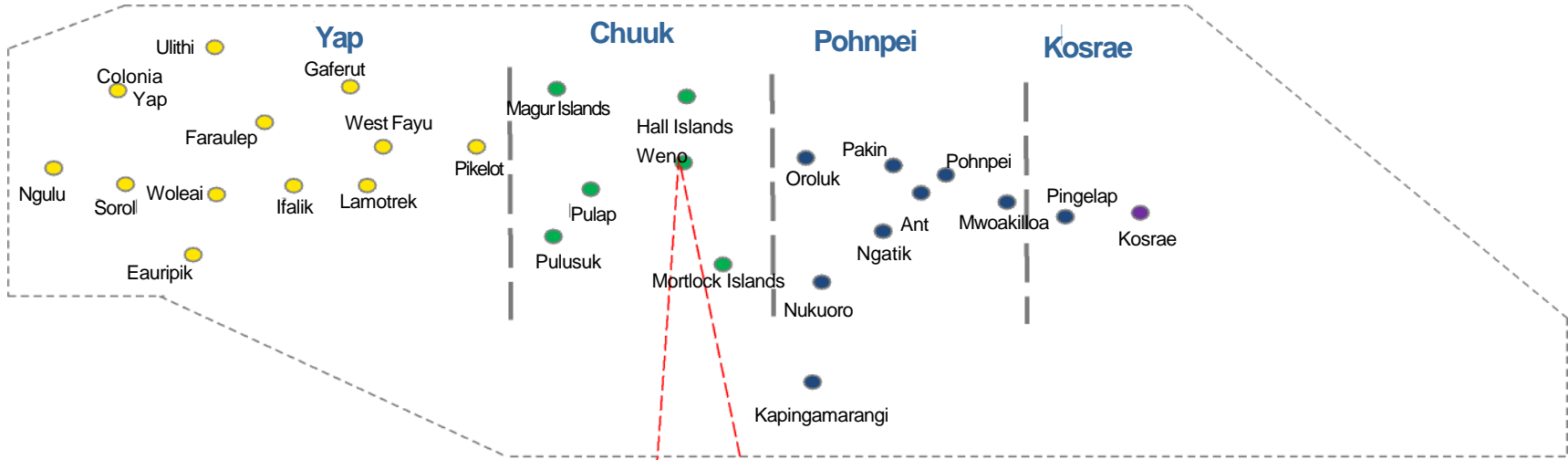
4 Section 2. Title 22 of the Code of the Federated States of
5 Micronesia, as amended, is hereby further amended by inserting a
6 new section 201 to read as follows:

7 "Section 201. Short title. This chapter may be cited
8 as the "Coconut Tree Products Act of 2013".

9 Section 3. Title 22 of the Code of the Federated States of
10 Micronesia, as amended, is hereby further amended by inserting a
11 new section 202 to read as follows:

12 "Section 202. Background. In order to enhance the
13 capacity for the manufacturing, processing, and
14 distribution of biofuel from the coconut tree as a
15 supplemental source of fuel in the Federated States of
16 Micronesia, to better facilitate the buying, selling,
17 exporting, manufacturing, and processing of copra and

Intro: Coconut Resource Assessment



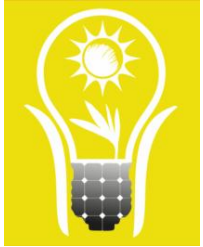
ICPF in Tonoas Island (Area: 8.8 Km² Population: 5,000; (est 14,000 nuts per day).

Currently holding the majority supply of coconuts in the FSM, Tonoas, Chuuk is the first location for an ICPF that will process coconuts into coconut products from around the FSM, and other facilities can be built as the industry matures.

States	Yap	Chuuk	Pohnpei	Kosrae	Project Impact Totals
Registered Voters*	8,526	55,841	28,825	5,959	> 25,000 registered farmers
Area (sq km)	119.5	121.5	371.6	111.3	
Municipalities	23	40	12	4	> 60 participating producer groups
Number of Coconut Palms	265,178	294,320	227,337	85,537	

Source: Office of the FSM Election Commission and Vital 2013 Coconut Resource Assessment; Areas and Municipalities from wikipedia.com.

Intro: Project Goals



Clean Affordable Energy



Life on Our Islands



Honest Work &
Economic Growth



Industry & Innovation
in Our Islands



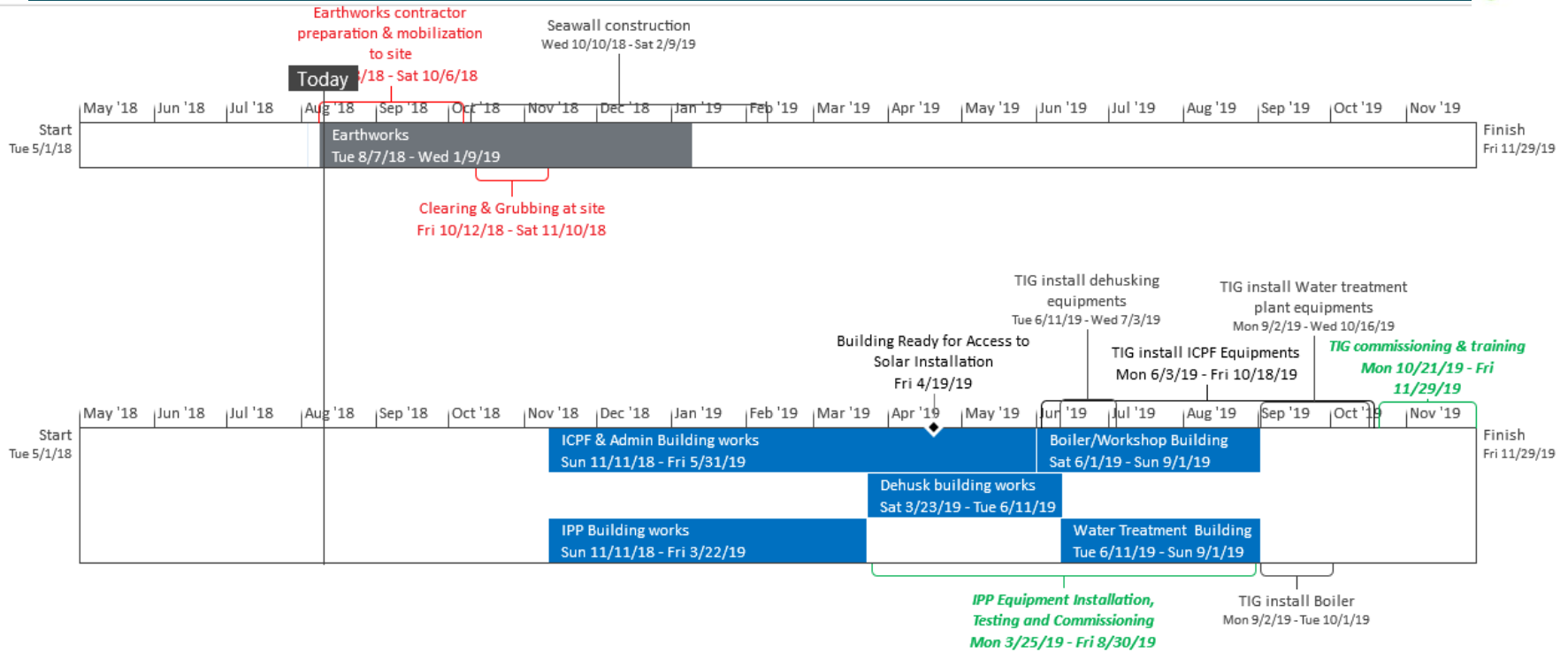
Conscientious
Consumption



Sustainable Island
Communities



Update: Project Milestones



Task Name	Start	Finish	Q3 '17	Q4 '17	Q1 '18	Q2 '18	Q3 '18	Q4 '18	Q1 '19	Q2 '19	Q3 '19	Q4 '19		
Phase: Execution, Monitoring & Control	Fri 8/18/17	Fri 11/29/19	[Progress bar]											
Construction, Equipments Installation & Commissioning	Tue 9/12/17	Fri 11/29/19	[Progress bar]											
Site Readiness & Establishment	Tue 9/12/17	Sun 9/30/18	[Progress bar]											
Earthworks	Tue 8/7/18	Wed 1/9/19	[Progress bar]											
Seawall construction	Wed 10/10/18	Sat 2/9/19	[Progress bar]											
Power Plant Building, Installation & Commissioning	Sun 11/11/18	Fri 8/30/19	[Progress bar]											
Coconut Processing Plant Building, Installation & Commissioning	Sun 11/11/18	Fri 11/29/19	[Progress bar]											
Dehusking Building, Installation & Commissioning	Sat 3/23/19	Fri 8/23/19	[Progress bar]											
Boiler / Workshop Building, Installation & Commissioning	Sat 6/1/19	Tue 10/29/19	[Progress bar]											
Accommodation Base Camp	Mon 1/8/18	Mon 4/15/19	[Progress bar]											

Update: Site Clearing, Transportation



Tank 1 before and after demolition

Perimeter fencing



UXO Scanning – Phase 1; Unfused mortar bombs

48 passenger Inter-island transportation vessel

Update: Facilities



LEGEND:

1	INDEPENDENT POWER PLANT
2	WORKSHOP
3	BOILER
4	HUSK STORAGE
5	DEHUSKING
6	COCONUT PROCESSING
7	EFFLUENT TREATMENT PLANT
8	SEWERAGE TREATMENT PLANT
9	SEAWATER PUMP STATION
10	STAFF HOUSING
11	WHARF OFFICE
12	CONTAINER YARD
A	DELIVERY TRUCK PARKING
B	INCOMING RAW MATERIAL YARD
C	OUTGOING FINISH PRODUCT YARD
D	WEIGH BRIDGE
E	WATER TANKS
F	FUEL DOCK

INTEGRATED COCONUT PROCESSING FACILITY
FSM PETROLEUM CORPORATION
TOMOAS ISLAND, CHUK LAGOON, FSM

REV	DESCRIPTION	DATE	Approved For Construction
A	Issued for construction	8/2017	

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 Land & Marine Survey
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DWG. TITLE
SITE LAYOUT PLAN
OPTION 2

SCALE (A1)	1
SCALE (A3)	1
DESIGN	1
DRAWN	1
DATE	5/2017

Vital
 FSM PetroCorp

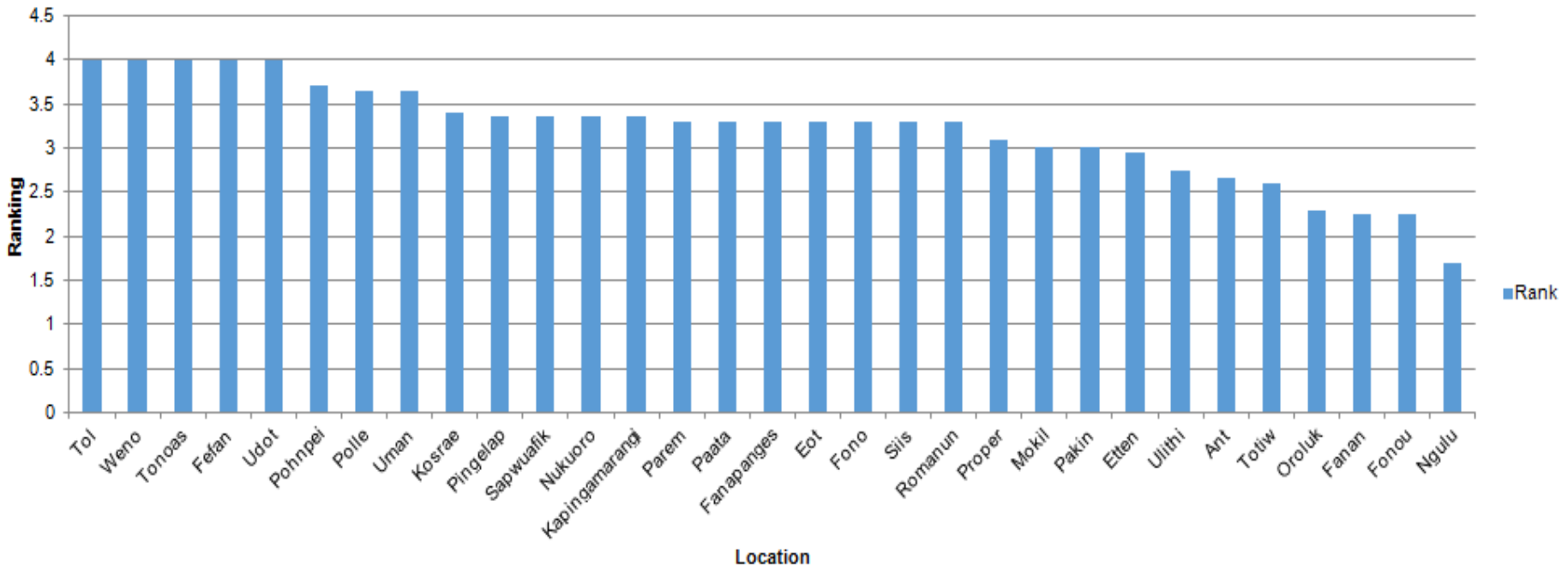
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Opportunities: Community Producer Groups



Deployment Plan

*Tonoas prioritized deployment



Criteria:

- a) Average Palm Trees by Area of Island
(based on 2013 CRA)
- a) Able-Age Population : 10-44yrs [+8years]
(based on 2010 Census)

Opportunities: Copra Agents



Copra Agents:

Representing Vital to work with remote communities in the purchasing of copra, eventually registering Farmer PGS Groups

- EOI released
- Interest received
- RFP to be released

Opportunities: The MCT-VITAL MOU



Partnership with MCT to engage with farmers and provide business support services, to get farmers trade-ready in the PGS principles, to ensure that we have a consistent supply of quality coconuts.

- Phase 1: Pohnpei engagements scheduled Sept 2018-Aug 2019

Proposing:

- Phase 2: Chuuk engagements (Q1 2019)
- Phase 3: Yap, Kosrae (tbd)

Support from FSM R&D: FSMR&D – VITAL MOU



FSM R&D and Vital to collaborate in the strengthening of C4Life's supply chain by:

- Identifying Risks and recommending Response Plans
- Developing an Organic Certification Program
- Developing a Fair Trade Certification Program
- Capitalizing on latest trends, tools and techniques for Farmer PGS development
- Facilitating replanting program with Farmer PGS Groups