

St. Olaf College V82, Northfield, Minnesota

# Grading Feed-in Tariffs & Best Practice by Paul Gipe for the Bay Area Council



# **Grading North American FITs**

## **10 Criteria**

- **Program Caps**
- **Project Size Caps**
- **Contract Term**
- **Technologies Included**
- **Tariffs Based on Cost of Generation**
- **Tariffs Differentiated by Technology**
- **Tariffs Differentiated within Technology**
- **Wind Tariffs Differentiated by Resource**
- **Inflation Indexing**
- **Bonus Payments or Adders**

# Grading North American FITs

## The Gold Standard

	Score	Grade
Germany	90	A
France	90	A
Spain (Fixed Tariff)	80	A-

# Grading North American FITs

Criteria	Germany	France	Ontario
Program Caps	10	10	10
Project Size Caps	10	8	8
Contract Term	10	10	10
Multiple Technologies	10	10	8
Cost-Based Tariffs	10	10	10
Technology Differentiation	10	10	10
Technology Banding	20	16	20
Resource Differentiation	10	10	0
Inflation Indexing	0	6	3
Bonus or Adders	0	0	5

# Grading North American FITs

## Ontario & Vermont

Criteria	Ontario	Vermont
Program Caps	10	2
Project Size Caps	8	2
Contract Term	10	10
Multiple Technologies	8	8
Cost-Based Tariffs	10	10
Technology Differentiation	10	10
Technology Banding	20	12
Resource Differentiation	0	0
Inflation Indexing	3	0
Bonus or Adders	5	0

# Grading North American FITs

## Existing FITs

	Score	Grade
Ontario (2009)	84	A-
Vermont	54	D
Maine	43	F
Wisconsin IOUs	36	F
California	28	F
Oregon	16	F

# Grading North American FITs

## Proposed FITs

	Score	Grade
<b>Michigan</b>	<b>82</b>	<b>A-</b>
<b>Indiana HB1190</b>	<b>82</b>	<b>A-</b>
<b>California AB 1106</b>	<b>54</b>	<b>D</b>

# Making the Grade: What's Needed

## Criteria

Program Caps

Project Size Caps

Contract Term

Multiple Technologies

Cost-Based Tariffs

Technology Differentiation

Technology Banding

Resource Differentiation

## Best Practice

None or >20%

None or 20 MW

>20 years

Wind, Solar PV, Solar  
DHW, Geothermal, CSP

For All Classes

Tariffs for Each Class

By Application & Size

Wind & Solar PV

# Making the Grade: What 's Needed

- **Open to All for All**

**Homeowners, Farmers, Business & Industry,  
Communities, Native Americans**

**Regardless of Tax Status**

**Tariffs with & without Tax Credits**