

# Cost Agent Introduction

Roger Cao  
Performance Compliance  
Cost Development Subcommittee  
April 14, 2021

- A new web application designed for Variable Operating Cost and Maintenance Adder (VOM) annual review process
- Key features:
  - Submit VOM adders
  - View historical approved adders
  - Track the review status of submitted adders

## SharePoint (PJM Connect)

- Excel Form
- Template submitted in versions
- Approved adders in Excel template
- Communications by Emails
- No database – historical data entered annually

## Cost Agent

- Web Form
- No versions - All edits will be tracked within the same template
- Approved adders displayed on user landing page
- Comments within template and auto email notification
- Database driven – historical data archived

- PJM Single Sign-On
- Read/Write Access managed by CAMs

## Sign In

[Forgot password](#) | [Register](#)

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## Settings

### Contact Information

	First name ⇅	Last name ⇅	Email address ⇅	Phone number ⇅
Primary	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="radio"/>	Ronald	Chaos	ronald.kaos@titanenergy.com	707-635-3013
<input type="radio"/>	William	Shatner	captain.kirk@titanenergy.com	707-365-1701
<input type="radio"/>	James	MacGaw	magma.guitar@titaneneryg.com	707-365-2021

Save

## Titan Energy

Create New Submission ▾

Actions	Submission ID ▾	Submission Alias ▾	Number of Units ▾	Company Name ▾	Expiration ▾	Maintenance Adder ▾	Operating Cost Adder ▾	Submitted ▾	Status ▾	Status Updated ▾
	000317	Titan - 3 units	3	Titan Energy	2021	\$5.21/MWh	\$3.67/MWh	8:10 5/18/2020	<span style="color: yellow;">■</span> Waiting on Market Seller	8:10 5/18/2020
	000315	Titan - 2 units	2	Titan Energy	2021	\$5.01/MWh	\$2.00/MWh	9:20 2/12/2019	<span style="color: green;">■</span> Completed	10:20 3/12/2019
	000205	Panama - Units 1-4	2	Panama	2020	\$5.85/MWh	\$2.00/MWh	7:10 3/10/2018	<span style="color: green;">■</span> Completed	7:10 5/10/2018

⏪ ⏩ 1 2 3 4 5 ▶ ⏭

**Units Assigned to Submission ID 000317** ✕

Unit ID	Unit Name	Unit Type	ICAP MW	Black Start
1001234	Titan 1	CT	50	Yes
1001235	Titan 2	CT	50	No
1001236	Titan 3	CT	70	No

Close

**Create New Submission**
✕

From ▾

000317 (Titan - 3 units)

000315 (Titan - 2 units)

000205 (Panama - Units 1-4)

Blank form

Cancel
Submit

**Create New Submission**
✕

From ▾ 000317 (Titan - 3 units)

Submission alias Titan - 3 plants

Maintenance cost adder units \$/MWh

Operating cost adder units \$/MWh

Annual changes to the adder units can be made by sending an email to PerfComp@pjm.com.

Cancel
Submit

**Create New Submission**
✕

From ▾ Blank form

Submission alias \*

Maintenance cost adder units ▾  Not applicable

Operating cost adder units ▾  Not applicable

Annual changes to the adder units can be made by sending an email to PerfComp@pjm.com.

Cancel
Submit

## New Submission

### Unit Information

<input type="checkbox"/>	Market Unit ID ▾	Unit Name ▾	Unit Type ▾	ICAP MW ▾	Black Start ▾
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>					

### Contact Information

Titan Energy  
Ronald Kaos  
ronald.kaos@titanenergy.com  
707-635-3013

Use State of Market value (State of Market value is only applicable to unit with less than a year of operating history)

Yes  No

Use 1% maintenance adder as variable black start service cost

Yes  No

#### Add Unit

Market Unit ID/Name\*

#### Contact Information

First name \*

Last name \*

Email \*

Phone \*



# Enter Prior Year and Historical Year Costs

2020

## Maintenance Expenses

Actions	Maintenance System	Maintenance Expense Type	Description	Cost
				Total

Do not include any costs included in the Avoidable Cost Rate or any other fixed costs.

## Operating Costs

Actions	Operating Cost Type	Description	Cost
			Total

## Total Maintenance Costs

Maintenance period: 10 years

Actions	Year	Total Maintenance Costs	Operating History (MWh)
		\$	
		Total	

## Total Historical Costs

## Total Operating Costs

[View Escalation Index](#)

Actions	Period	Number of Months	Total Operating Costs	Operating History (MWh)
			Total	

**Add Expense**

Maintenance system \*

Expense type \*

Description \*

Cost \*

Documentation ref.

All expenses must be supported by documentation.

**Add Operating Cost**

Operating cost type \*

Description \*

Cost \*

**Edit Operating History**

Year

Total maintenance costs (\$) \*

Operating history (MWh) \*

**Edit Operating History**

From:

To:

Operating costs (\$) \*

Operating output (MWh) \*

## Supporting Documentation

[Add](#)[Delete](#)

<input type="checkbox"/>	Filename
<input type="checkbox"/>	

## Additional Comments

[Add](#)[Delete](#)

<input type="checkbox"/>	Comment	Username	Organization	Date Posted
<input type="checkbox"/>				

## 2021 Requested Adders

Maintenance Adder	\$--/MWh
Operating Cost Adder	\$--/MWh

Annual changes to the adder units can be made by sending an email to [FuelCostPolicyAnalysis@pjm.com](mailto:FuelCostPolicyAnalysis@pjm.com).

[Cancel](#)[Save for Later](#)[Submit Template](#)

## View Submission

### Submission Information

Submission ID

123

Submitted

8:10 5/18/2020

Maintenance adder cost-based offer effective date

Expiration (end of year)

2021

Operating cost adder cost-based offer effective date

### Review Status

Status

Waiting on Market Seller

Last status update

14:20 5/18/2020

### Contact Information

Update

Titan Energy  
 Ronald Kaos  
 ronald.kaos@titanenergy.com  
 707-635-3013

### Unit Information

Add

Delete

	Market Unit ID	Unit Name	Unit Type	ICAP MW	Black Start
<input type="checkbox"/>					
<input type="checkbox"/>	11219405	Titan CT1	CT	120	Yes
<input type="checkbox"/>	11219406	Titan CT2	CT	120	No
<input type="checkbox"/>	11219407	Titan CT3	CT	100	No

Use State of Market value (State of Market value is only applicable to unit with less than a year of operating history)

Yes  No

Use 1% maintenance adder as variable black start service cost

Yes  No

2020

### Maintenance Expenses

Add Expense

Actions	Maintenance System	Maintenance Expense Type	Description	Cost
	Combustion Turbine	Combustion Turbine/Gas Turbine Repairs/Overhauls/Replacements	Turbine repairs	\$18,904.00
	Main Steam	Repair/Replacement of Valves and Pumps	Pressure valve repairs	\$2,360.00
	Feedwater	Repair/Replacement of Pumps	Feed pump replacement	\$23,870.00
<b>Total</b>				<b>\$45,134.00</b>

Do not include any costs included in the Avoidable Cost Rate or any other fixed costs.

**Comments** ✕

Comment

Comment	Posted By	Date Posted
This is the newest comment	rcao	09:00 1/6/2021



**Edit Expense** ✕

Maintenance system \*

Expense type \*

Description \*

Cost \*

Documentation ref.

All expenses must be supported by documentation.

### Submission Information

Submission ID

Submitted  Maintenance adder cost-based offer effective date

Expiration (end of year)  Operating cost adder cost-based offer effective date

**Review Status**

Status ■ Waiting on Market Seller

Last status update 14:20 5/18/2020

### Unit Information

	Market Unit ID	Unit Name	Unit Type	ICAP MW	Black Start
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	11219405	Titan CT1	CT	120	Yes
<input type="checkbox"/>	11219406	Titan CT2	CT	120	No
<input type="checkbox"/>	11219407	Titan CT3	CT	100	No

**Contact Information**

Titan Energy  
 Ronald Kaos  
 ronald.kaos@titanenergy.com  
 707-635-3013

Use State of Market value (State of Market value is only applicable to unit with less than a year of operating history)

Yes  No

Use 1% maintenance adder as variable black start service cost

Yes  No

2020

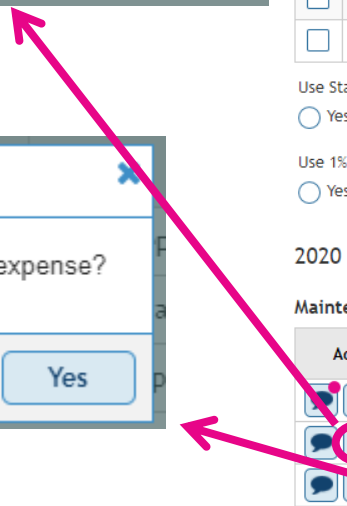
### Maintenance Expenses

	Actions	Maintenance System	Maintenance Expense Type	Description	Cost
	<input type="button" value="edit"/> <input type="button" value="delete"/>	Combustion Turbine	Combustion Turbine/Gas Turbine Repairs/Overhauls/Replacements	Turbine repairs	\$18,904.00
	<input type="button" value="edit"/> <input type="button" value="delete"/>	Main Steam	Repair/Replacement of Valves and Pumps	Pressure valve repairs	\$2,360.00
	<input type="button" value="edit"/> <input type="button" value="delete"/>	Feedwater	Repair/Replacement of Pumps	Feed pump replacement	\$23,870.00
<b>Total</b>					<b>\$45,134.00</b>

Do not include any costs included in the Avoidable Cost Rate or any other fixed costs.

**Delete Maintenance Cost** ✕

Are you sure you want to delete this expense?



# Track Submission Status



Presenters:

Roger Cao, [roger.cao@pjm.com](mailto:roger.cao@pjm.com)

SME:

Performance Compliance Department

[FuelCostPolicyAnalysis@pjm.com](mailto:FuelCostPolicyAnalysis@pjm.com)

**Cost Agent Introduction**



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)