



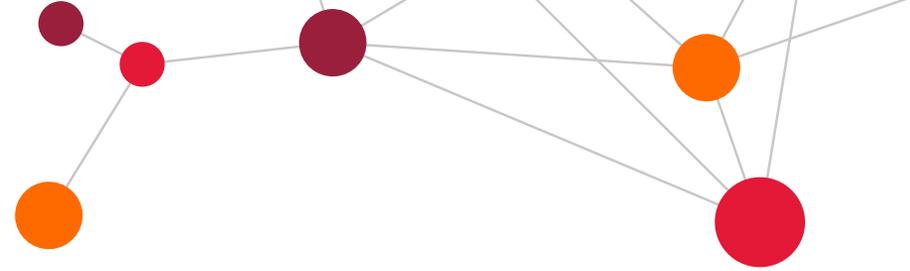
Experience the commitment®

PAS Modernization

Focus on Phase 1

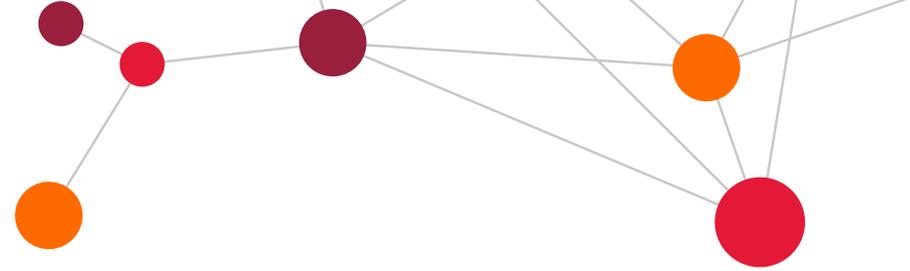
Andrea Mattos
UX/UI Consultant
October, 31st

Agenda



- Introduction
- Objectives
- Why Now?
- High Level Scope
- Interface Reskin
 - ✓ Minimize Cognitive Load
 - ✓ Material Design
 - ✓ Common Patterns
 - ✓ Mood boards
- Views (before and after)
- Questions

Introduction



Andrea Mattos

Senior UX-UI Strategist @CGI Montreal

Education

BA Journalism

Post Graduation in Image and Sound Creation

Digital Design (Vancouver Film School)

UX Certified - Norman & Nielsen (USA)

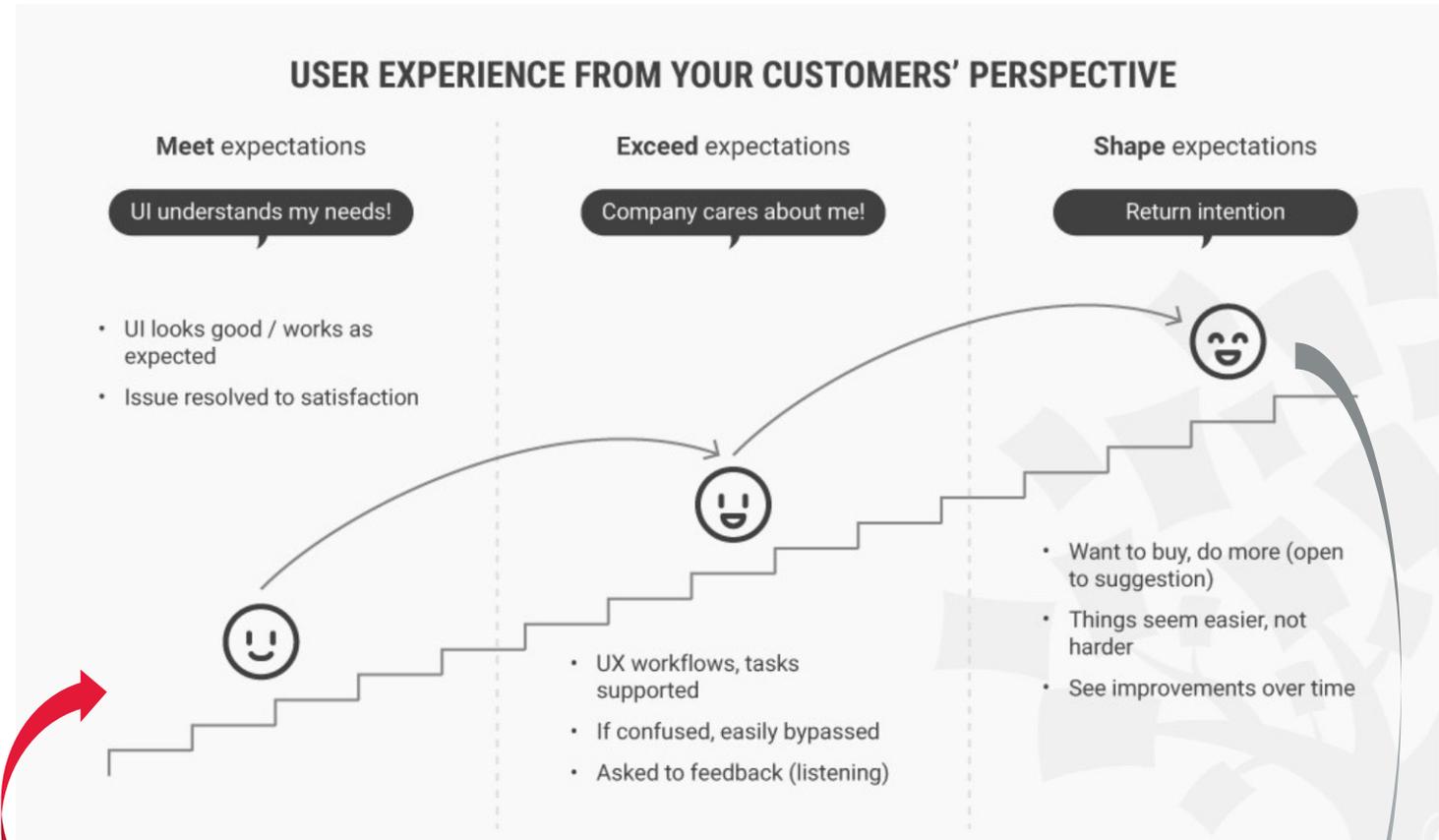
MA Education Technology – in progress (Concordia University)

Other

Irrational Behaviour - Duke University (USA)

Human Computer Interaction - Stanford (USA)

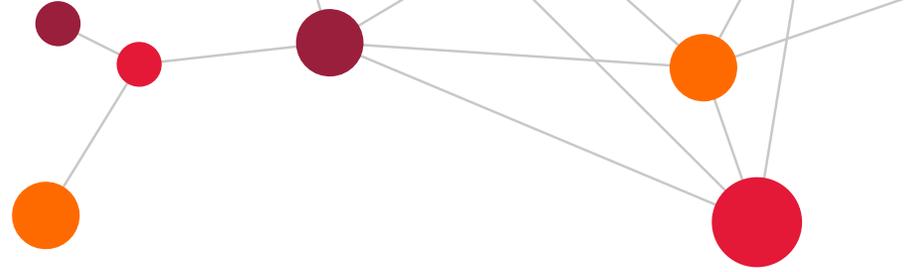
PAS Reskin – Objectives



Source: [Improve Customer Experience with UX Investments that Increase ROI](#), Interaction Design Foundation

- **Develop a new look and feel for PAS 2020 (Phase 1)**
- Shape user expectations over time (Phase 2)

Why now?



- It needs a refresh (adapt to current trends, remain differentiated)
- Enough usage to learn from our experience
- Changes in the process since it was launched
- New technology possibilities
- Accessibility regulations - design for all

High Level Scope Review

- **Phase 1: PAS Reskin**
 - Reduce Cognitive Load
 - Design System suggestion (set of icons, typeface and other design elements to be applied on current app);
 - Users feedback and iteration;
 - Constraint: time for development (3 months)

- **Phase 2: PAS UX-UI Review (3 years plan)**
 - Shadowing
 - Interviews
 - Scenarios
 - Pain points
 - Surveys
 - Analysis
 - Site-map
 - User-flow
 - Wireframes/ User tests
 - Mock-ups/User tests
 - Development
 - Design Review

Minimize Cognitive Load

- **Intrinsic cognitive load** is the effort of absorbing that new information and of keeping track of their own goals vs **extraneous cognitive load**: processing that takes up mental resources, but doesn't actually help users understand the content.
- User attention is a precious resource, and should be allocated accordingly:
 1. **Avoid visual clutter**: too many unnecessary elements slow users down.
 2. **Build on existing mental models**: People already have mental models based on their past experiences visiting other sites.
 3. **Offload tasks**: Look for anything in your design that requires users to read text remember information, or make a decision. Then look for alternatives: can you show a picture, re-display previously entered information, or set a smart default?

Client Table

Breadcrumbs: Batteries >> BT: Medicine Hat Battery >> BT: Medicine Hat Battery [Master] >> System/Client table

Home Search Process Monthly Masters Contracts Reports Query Utilities Logout

Production date: 2005-10 Set

Client Table

Client options Start dates Financial options Product codes Crown royalty BA names Hash options Report options Allocation options

Options

Client BA number	211	
Alberta operator code	0D7E	
Company name	EnCana Corp.	
Suppress warning on FH processing	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Non resident tax BA	77777	NRT Payable BA
Non resident tax account	NRT Payable	NRT Payable
Contract prefix	ENC	
Allow multiple contract prefixes	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Allow duplicate government code for non-ops with cascades	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Allow SK override vintage splits by WIO	<input checked="" type="radio"/> Yes <input type="radio"/> No	SIR-687 override code U
Non-operated DOI method	<input checked="" type="radio"/> True DOI <input type="radio"/> Input managed interest	
Allow grossing up non-op product sales	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Allow financial files submitted with error to be interfaced	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Apply prior established test rate	<input type="radio"/> Yes <input checked="" type="radio"/> No	
EnergyLink append UWI to cost centre	<input type="radio"/> Yes <input checked="" type="radio"/> No	
EnergyLink include all zero records	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Processing options

	Reporting facility	Point of sale facility
Cascade processes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Save

Windows taskbar: 1:32 PM 9/17/2019

Visuals

- Remove unnecessary gradients;
- Remove boxes within boxes
- Lighten up colour palette
- Better use of the space
- Give room to breathe
- Bigger Typeface – better accessibility

Browser: PAS http://omak:8070/pasdaily/operations/GroupProcessBatteryComplete.action?PageID=aced000574003b26f7065726174696f6e732f47726f Search...

Screen Help: Overview, How do I..., Screen guide, Open Knowledge Base

Breadcrumbs: Batteries

Navigation: Current group DEMOCOMP, Batteries, Gas systems, Functional units, Cascades, Units, Injection facilities, Custom treaters, Terminals, Waste Plants, Water Sources, AB regulatory, BC regulatory, MB regulatory, SK regulatory, Financial file submission, Regulatory files creation, Petrotranz file creation, Receipt point extract creation, EnergyLink

Production date: 2005-10 Set

Notifications:

- Group process of gas successful.
- Group process of crown calc successful.
- 2005-10 BT: Medicine Hat Battery Proration factor 3.29861 out of tolerance range 0.95000 to 1.05000 for product GAS.

DEMOCOMP Group Battery Processing

	Oil/Cond volume	Gas volume	Water volume	Crown calc	Oil sales/disp	Water disp	Revenue allocate	Fees calculate	FH/ORR oil	FH/ORR gas
<input type="checkbox"/> All facilities	▼	▼	▼	▼	Ⓜ	✓	▼	▼	▼	▼
<input type="checkbox"/> Cyclical BT	✓	N/A	N/A	✓	Ⓜ	N/A	N/A	N/A	▼	▼
<input type="checkbox"/> DBBT1	N/A	✓	✓	N/A	N/A	✓	N/A	N/A	▼	▼
<input type="checkbox"/> DBBT2	N/A	✓	✓	N/A	N/A	✓	N/A	N/A	▼	▼
<input type="checkbox"/> Drumheller Battery	✓	✓	✓	▼	Ⓜ	✓	✓	▼	▼	▼
<input type="checkbox"/> Heavy Oil Bt	✓	✓	✓	✓	Ⓜ	✓	▼	✓	▼	▼
<input type="checkbox"/> Medicine Hat Battery	▼	▼	▼	✓	Ⓜ	✓	✓	N/A	▼	▼
<input type="checkbox"/> Mid month BT	✓	✓	✓	✓	Ⓜ	✓	✓	N/A	▼	▼
<input type="checkbox"/> Redcliff Gas Battery	✓	✓	✓	✓	Ⓜ	✓	✓	✓	▼	▼
<input type="checkbox"/> Redcliff Oil Battery	▼	▼	✓	▼	Ⓜ	✓	✓	✓	▼	▼
<input type="checkbox"/> Shallow Gas Battery	N/A	▼	✓	N/A	N/A	✓	N/A	N/A	▼	▼

Taskbar: Process, Frozen, Complete, Frozen Reset, Reset, Warning, Errors, Not yet run, N/A Not applicable

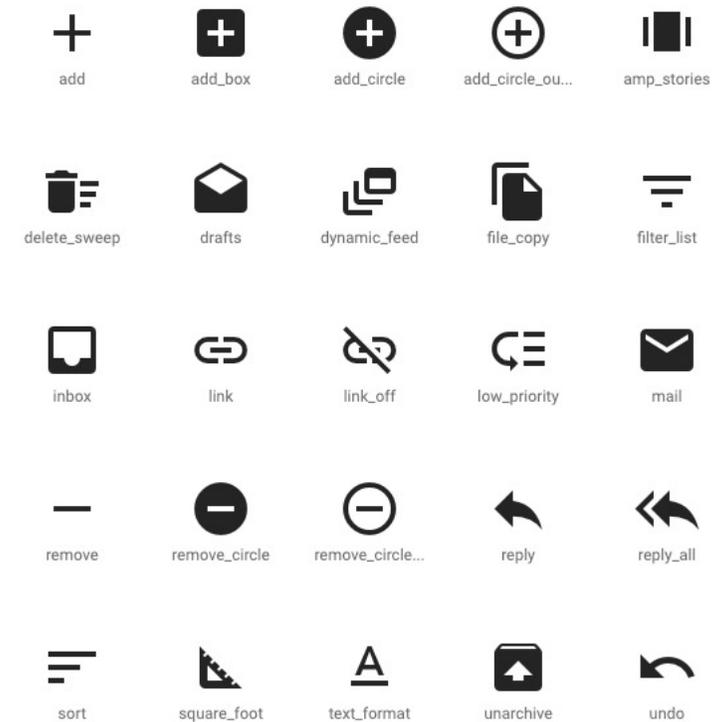
System tray: 1:30 PM, 9/17/2019

Navigation

- Highlight sections;
- Show where the user is;
- Move breadcrumbs closer as they are used for navigation;
- move Production Date closer as a change may affect the view;
- Separate notifications (dedicated space);
- Better readability of notifications;
- Use standard icons;
- Highlight main buttons;

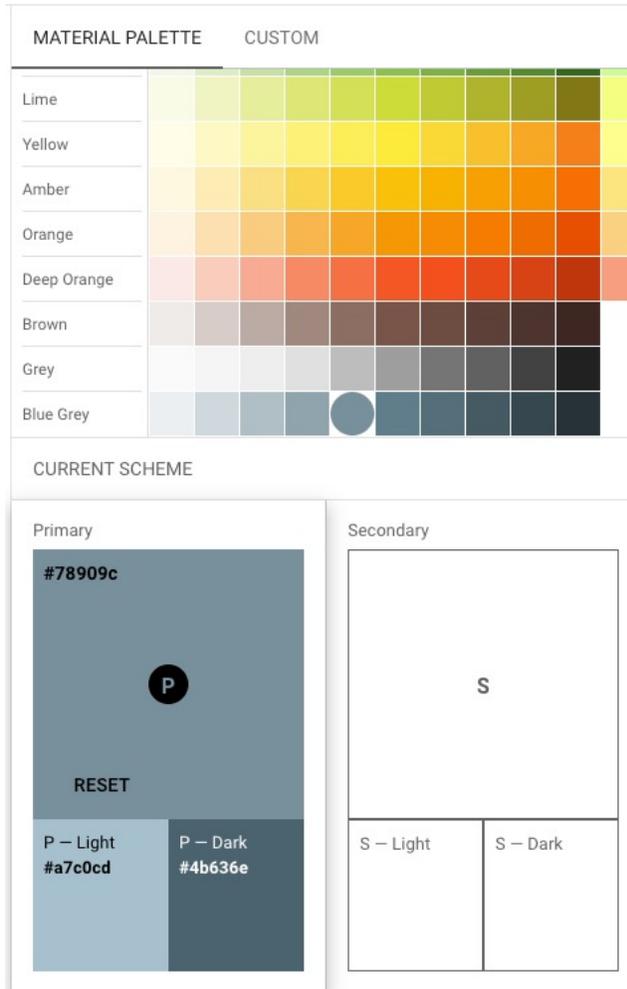
Material Design

- It has a set of design guidelines that prioritize usability and efficiency;
- One of the recommended typefaces is Roboto, which is optimized for digital screens;
- Guidelines in terms of columns, tables, buttons, icons...



<https://material.io/resources/icons/>

Material Design



<https://material.io/>

<input type="checkbox"/>	Status	Signal Name	Severity	Stage	↑ Schedule	Team Lead
<input type="checkbox"/>	Offline	Astrid: NE shared managed-features	Medium	Triaged	0:33	Chase Nguyen
<input type="checkbox"/>	Offline	Cosmo: prod shared ares	Huge	Triaged	0:39	Brie Furman
<input type="checkbox"/>	Online	Phoenix: prod shared lyra-managed	Minor	Not triaged	3:12	Jeremy Lake
<input type="checkbox"/>	Online	Sirius: prod shared ares-double	Negligible	Triaged	13:18	Angelica Howards

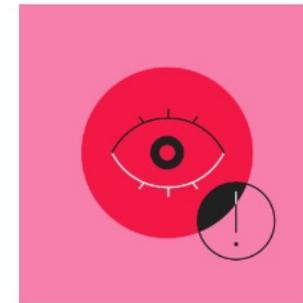
1. Container
2. Column header names
3. Sort button
4. Row checkboxes
5. Rows

Principles



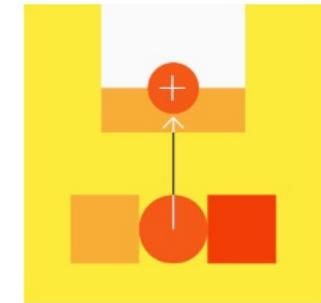
Hierarchical

Color indicates which elements are interactive, how they relate to other elements, and their level of prominence. Important elements should stand out the most.



Legible

Text and important elements, like icons, should meet legibility standards when appearing on colored backgrounds, across all screen and device types.



Expressive

Reinforce your brand by showing brand colors at memorable moments that reinforce your brand's style.

Common Patterns



SHOP ▾ MY ACCOUNT SUPPORT



SAVE \$100 ONLINE

When you activate or upgrade to any new phone on select 2-year plans. Limited time offer!

GET IT NOW

SAMSUNG Galaxy A50 **SAMSUNG** Galaxy S10e Google Pixel 3



Upgrade to the latest iPhone.

Trade-in any phone and get \$200 off towards the activation of a new iPhone on TELUS Easy Payment. Plus, get up to a \$600 Best Buy gift card based on the value of your trade-in phone*.

[Explore iPhones](#) [Trade-in program details >](#)

*In-store only. See in-store for more details.



SharkNinja BL611C Professional Blender, Black/Grey
by SharkNinja
★★★★★ (59 ratings) | 7 answered questions

Price: **CDN\$ 99.99 & FREE Shipping.** [Details](#)

New (4) from **CDN\$ 99.99** + FREE Shipping

- 1000 Watts of Professional Performance Power
- Total Crushing Technology crushes ice, whole fruits and veggies in seconds!
- Frozen Blending for creamy fruit smoothies
- XL 72-Ounce capacity to create drinks for the whole family
- BPA Free and Dishwasher Safe

VITAMIX
Vitamix Certified Reconditioned Blender
Vitamix Explorian Blender, 64 oz, Blac...
CDN\$ 389.95 ✓prime



Ad feedback

CDN\$ 99.99

& **FREE Shipping.** [Details](#)

Want it Thursday, November 7?
Order it in the next **12 hours and 6 minutes** and choose **Two-Day Shipping** at checkout.

In Stock.

Quantity: 1 ▾

[Add to Cart](#)

[Buy Now](#)

Ships from and sold by Amazon.ca.

Item arrives in packaging that reveals what's inside. To hide it, choose **Ship in Amazon packaging** at checkout.

- Try **Amazon Prime** and start saving today with **FREE Two-Day Shipping**
- Add gift options

Virgin Mobile Google Pixel 4 64GB - Clearly White - Select 2 Year Agreement

☆☆☆☆ (0) [Write a Review >](#) **Model Number:** 400101200284 **Web Code:** 14192520



\$949⁹⁹

Colour



Pick your colour, pick your plan, and activate your new Google Pixel at your closest Best Buy location.

[Find Your Nearest Store >](#)

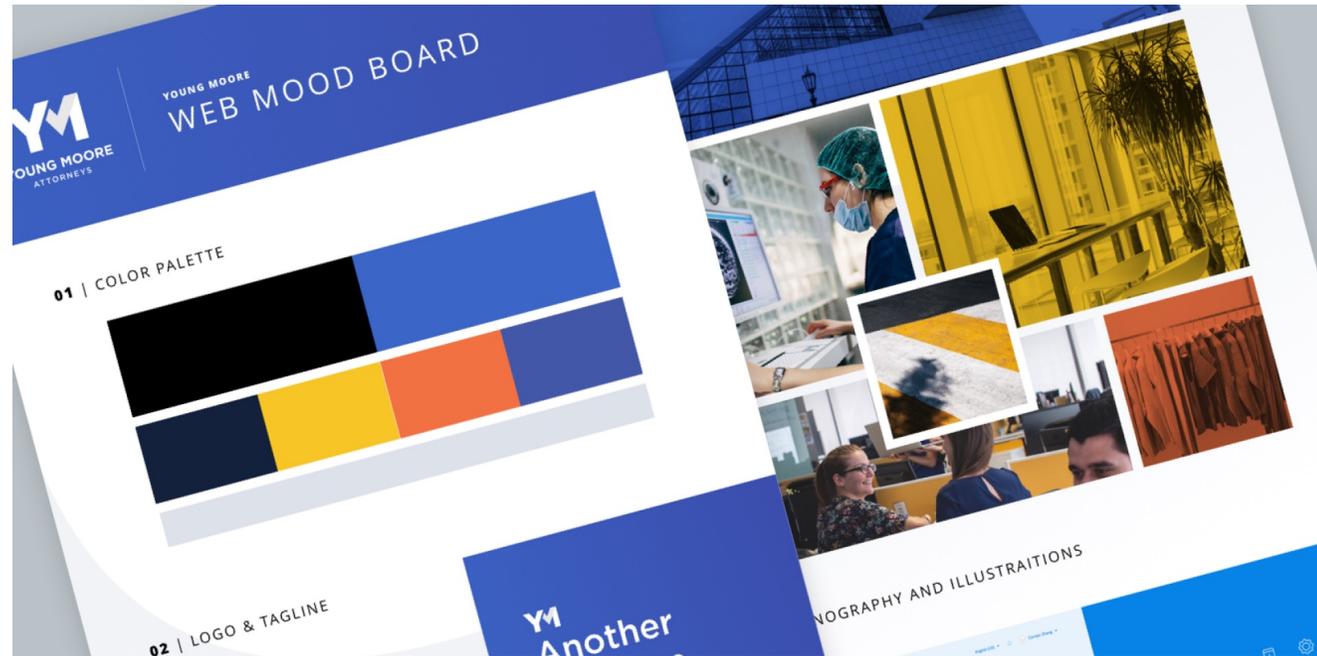
[Add to Cart](#)

[Reserve In Store](#)

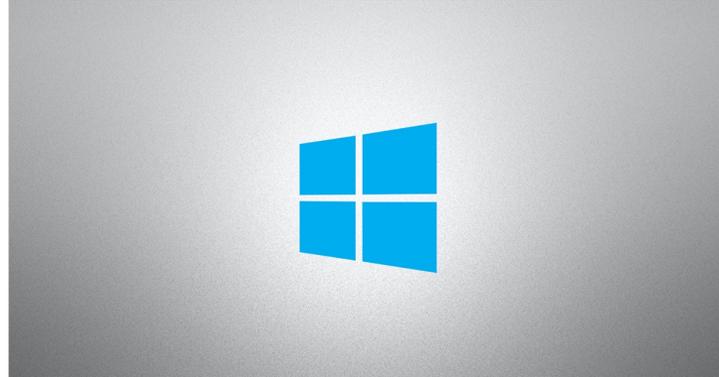
Sold and shipped by Best Buy

Mood boards

- **Definition:** A mood board is a type of collage consisting of images, text, and samples of objects in a composition. It can be used to convey a general idea or feel about a particular topic.



Mood board Technology



Blue	
500	#2196F3
B: 100% S: 50%	#80C6FF
B: 65%	#1766A6
B: 55%	#14568C

Mood boards applied - option A (Technology)

Blue mood

Neutral Colour
Fresh
Clean

Primary

#0078d7

P

P – Light
#5fa6ff

P – Dark
#004da5

Help

- Overview
- How do I...
- Screen guide
- Open Knowledge Base

Navigation

- AB regulatory
- BC regulatory
- Contracts
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- SK regulatory
- System**
 - Change well type
 - Client Table**
 - Convert operated to sub
 - Endpoint Facility Types
 - Facility Subtypes
 - Fluid Netting

HOME SEARCH PROCESS MONTHLY MASTERS CONTRACTS REPORTS QUERY UTILITIES LOG OUT

Client Table Calendar Oct 10, 2005

Batteries » BT: Medicine Hat Battery » BT:Medicine Hat Battery Master » System/Client table

Client options | Start dates | Financial options | Product codes | Crown royalty BA names | Hash options | Report options | Allocation options

Client BA number: 211

Alberta Operator Code: 0D7E

Company name: EnCana Corp

Suppress warning on FH processing: Yes No

Non resident tax BA: 77777 NRT Payable BA

Non resident tax account: NRT Payable NRT Payable

Contract prefix: ENC

Allow multiple contract prefixes: Yes No

Allow duplicate government code for non-ops with Cascades: Yes No

Allow SK override vintage splits by WIO: Yes No SIR-687 override code

Non-operated DOI method: True DOI Input managed interest

Allow grossing up non-op product sales: Yes No

Allow financial files submitted with error to be interfaced: Yes No

Apply prior established test rate: Yes No

SAVE

Competitors use blue

Battery Maintenance

Create New

Production Date*: 201407 Battery ID/Name/Government Code*: RLTCNOPB1 View

Government Code: RLTCNOPB1 Battery Name: BC Partner Operated

Master Production Wells

Save Set Off Production Revert Cancel

Master Summary and Linkage

Production Date: 201407 Province: British Columbia ID: RLTCNOPB1
Production Status: On Production Gas Flow Facility: No Control Group: PARTOPBC Region: PETRINEX

Partner Operated Upload Product Cross Reference

Government Product	System Product	Battery Product
C1-MX	C1MX - Methane Mx	<input type="text" value=""/>
C2-MX	C2 - Ethane	<input type="text" value=""/>
C2-SP	C2 - Ethane	<input type="text" value=""/>
C3-MX	C3 - Propane	<input type="text" value=""/>
C3-SP	C3 - Propane	<input type="text" value=""/>
C4-MX	C4 - Butane	<input type="text" value=""/>
C4-SP	C4 - Butane	<input type="text" value=""/>
C5-MX	C5 - Pentane	<input type="text" value=""/>
C5-SP	C5 - Pentane	<input type="text" value=""/>
C6-MX	C5 - Pentane	<input type="text" value=""/>
C6-SP	C6 - Pentane Plus	<input type="text" value=""/>
CO2	CO2 - Carbon Dioxide	<input type="text" value=""/>
CO2-MX	CO2MX - Carbon Dioxide Mx	<input type="text" value=""/>
COND	COND - Condensate	<input type="text" value=""/>

23 results found

Data Entry

Transaction Level*: Net Input

Freehold Override Royalty*: Keyed

Allow Upload*: Yes

Upload Destination*: Yes

Upload Plant*: No

Plant ID: PB31 [Advanced Search](#)

Plant Name: PB31

Source: [P2 Metrix](#)

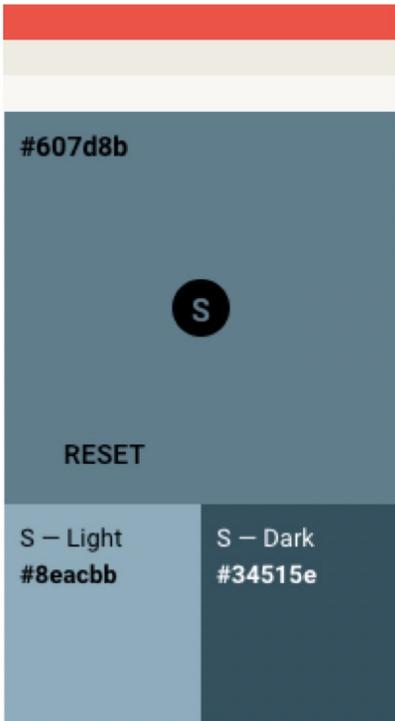
Mood board Sunset



Mood boards applied - option B (sunset)

Beige mood
(+ bright orange)

Similar palette
Sunny



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HOME SEARCH PROCESS MONTHLY MASTERS CONTRACTS REPORTS QUERY UTILITIES LOG OUT

Client Table Calendar Oct 10, 2005

[Batteries](#) » [BT: Medicine Hat Battery](#) » [BT: Medicine Hat Battery Master](#) » System/Client table

Client options | Start dates | Financial options | Product codes | Crown royalty BA names | Hash options | Report options | Allocation options

Client BA number	211	
Alberta Operator Code	0D7E	
Company name	EnCana Corp	
Suppress warning on FH processing	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Non resident tax BA	77777	NRT Payable BA
Non resident tax account	NRT Payable	NRT Payable
Contract prefix	ENC	
Allow multiple contract prefixes	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Allow duplicate government code for non-ops with Cascades	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Allow SK override vintage splits by WIO	<input checked="" type="radio"/> Yes	<input type="radio"/> No SIR-687 override code
Non-operated DOI method	<input checked="" type="radio"/> True DOI	<input type="radio"/> Input managed interest
Allow grossing up non-op product sales	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Allow financial files submitted with error to be interfaced	<input type="radio"/> Yes	<input checked="" type="radio"/> No
Apply prior established test rate	<input type="radio"/> Yes	<input checked="" type="radio"/> No

SAVE

Similar to PAS

Production date: 2005-10

Client Table

Options

Client BA number	211	
Alberta operator code	0D7E	
Company name	EnCana Corp.	
Suppress warning on FH processing	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Non resident tax BA	77777	NRT Payable BA
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EnergyLink append UWI to cost centre	<input type="radio"/> Yes <input checked="" type="radio"/> No	
EnergyLink include all zero records	<input type="radio"/> Yes <input checked="" type="radio"/> No	

Processing options

	Reporting facility	Point of sale facility
Cascade processes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Save

Mood board combination - option C



Living Coral

HEX/HTML: #FA7268

RGB: 250 114 104

Color is an equalizing lens through which we experience our natural and digital realities and this is particularly true for Living Coral. With consumers craving human interaction and social connection, the humanizing and heartening qualities displayed by the convivial PANTONE Living Coral hit a responsive chord.

— Leatrice Eiseman
EXECUTIVE DIRECTOR OF THE PANTONE COLOR INSTITUTE

Beachy Coral

Option A: Clean + Fresh

+

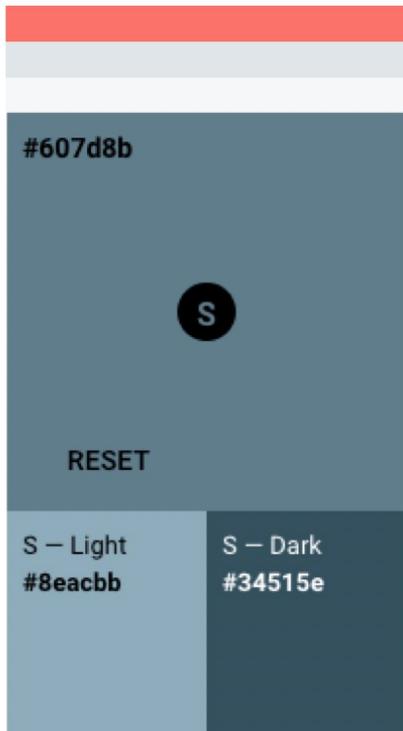
Option B: Warm + Fun

Option C

Mood boards applied – Beachy Coral

Beige mood
(+ coral)

Similar palette
Beachy



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LOG OUT

HOME SEARCH PROCESS MONTHLY MASTERS CONTRACTS REPORTS QUERY **UTILITIES**

Client Table Calendar Oct 10, 2005 ▼

[Batteries](#) » [BT: Medicine Hat Battery](#) » [BT:Medicine Hat Battery Master](#) » System/Client table

Client options
Start dates
Financial options
Product codes
Crown royalty BA names
Hash options
Report options
Allocation options

Client BA number	<input type="text" value="211"/>	🔍
Alberta Operator Code	0D7E	
Company name	<input type="text" value="EnCana Corp"/>	
Suppress warning on FH processing	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Non resident tax BA	<input type="text" value="7777"/>	NRT Payable BA
Non resident tax account	<input type="text" value="NRT Payable"/>	NRT Payable
Contract prefix	<input type="text" value="ENC"/>	🔍
Allow multiple contract prefixes	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Allow duplicate government code for non-ops with Cascades	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Allow SK override vintage splits by WIO	<input checked="" type="radio"/> Yes <input type="radio"/> No	SIR-687 override code
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Allow financial files submitted with error to be interfaced	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Apply prior established test rate	<input type="radio"/> Yes <input checked="" type="radio"/> No	

SAVE

21

Browser: PAS http://omak:8070/pasdaily/operations/ClientInfo.action?PageID=aced000574001e436c69656e74496e666f2e61637469666e31353638373438

Screen Help: Overview, How do I..., Screen guide, Open Knowledge Base

Navigation: AB regulatory, BC regulatory, Contracts, Financial information, Imports/Exports, MB regulatory, Security, SK regulatory, System, Change well type, **Client table**, Convert operated to sub, Delivery profiles, Endpoint facility types, Facility Subtypes, Fluid Netting, GPA factors, Load fluid unrecovered, Negative allocation tolerance, Province/state codes, Rename facility id, Rename functional unit id, Rename measurement point, Volumetric overrides, Technical

Breadcrumbs: Batteries >> BT: Medicine Hat Battery >> BT: Medicine Hat Battery [Master] >> System/Client table

Home Search Process Monthly Masters Contracts Reports Query Utilities Logout

Production date: 2005-10 Set

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EnergyLink include all zero records	<input type="radio"/> Yes <input checked="" type="radio"/> No	

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	Reporting facility	Point of sale facility
Cascade processes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Save

Windows Taskbar: 1:32 PM 9/17/2019

Before

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your notifications will show here



- AB regulatory
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Batteries » BT: Medicine Hat Battery » BT:Medicine Hat Battery Master » System/Client table

Prod Mo. October, 2019

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Contract prefix	ENC	
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SAVE

After

http://omak:8070/pasdaily/operations/FacilitySearch.action?PageID=aced0005740022466163696c6974795365617263682e6163746966f6e31

Facility Search

File Edit View Favorites Tools Help

Screen Help
Overview
How do I...
Screen guide
Open Knowledge Base

Breadcrumbs: Home Search Process Monthly Masters Contracts Reports Query Utilities Logout

Production date: 2005-10 Set

Where would you like to go today? Facility Search

Find a facility within a group

Facility type [v]
Group DEMOCOMP [v]
Include related
Search

Find a facility in entire system

Facility type [v]
Facility ID []
Government code []
Cost centre []
Search

Search results

Facility ID	Government code	Go to ...
-------------	-----------------	-----------

Windows taskbar: 1:30 PM 9/17/2019

Before

Browser address bar: PAS http://omak:8070/pasdaily/operations/BatteryOilBalanceComplete.action?PagelD=aced00057400392f6f706572617469666e732f426174744e

Page Title: PAS Battery Oil Balance

Breadcrumbs: Batteries >> BT: Medicine Hat Battery

Production date: 2005-10

Navigation: Find, From/to, Tree

Table: Battery Oil Balance

Status	Summary	Frozen	Oil/Condensate	Gas	Water	Wells	Contract volume	Contract valuation	Reports	Comments
			Vol [m ³]			Closing RI [m ³]	Trucking rate			
-	Opening Inventory		0.0							
-	Receipts		36.2							
	Drumheller Battery: Oil to Med Hat BT		10.0							
	Drumheller Battery: Emulsion to Med Hat		15.0							
	load fluid recovery receipt		1.2							
	Drumheller Battery: Load Fluid Receipt from BT:...		10.0							
+	Dispositions		275.0							
	external load fluid injections		10.0							
	Eagle Lake Terminal: Sales to TM		265.0			0.0		7.5		
+	Closing Inventory		5.0							
Production			243.8							

Buttons: Save, Measurement point, Add

System tray: 1:31 PM, 9/17/2019

Before

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☰ your notifications will show here



Find From/To Tree

Find in current group:

BT

Batteries » [BT:Medicine Hat Battery Master](#)

Prod Mo. October, 2019

Battery Oil Balance - BT: Medicine Hat Battery on 2005-10

Status Summary Frozen Oil/Condensate Gas Water Wells Contract volume Contract valuation Reports Comments

Open/Collapse all	Vol (m3)	Closing RI (m3)	Trucking rate
Opening Inventory	0.0		
Receipts	36.2		
Drumheller Battery: Oil to Med Hat BT	10.0		
Drumheller Battery: Emulsion to Med Hat BT	15.0		
Load fluis recovery receipt	1.2		
Drumheller Battery: Load fluid Receipt from BT	10.0		
Dispositions	275.0		
External Load Fluid injections	10.0		
Eagle Lake Terminal Slaes to TM	265.0	0.0	7.5
Closing Inventory	5.0		
Production	243.8		

SAVE

After

[PAS http://omak:8070/pasdaily/operations/GroupProcessBatteryComplete.action?PageID=aced000574003b2f6f7065726174696f6e732f47726f](http://omak:8070/pasdaily/operations/GroupProcessBatteryComplete.action?PageID=aced000574003b2f6f7065726174696f6e732f47726f)

PAS Group Battery Processing

File Edit View Favorites Tools Help

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Breadcrumbs: Batteries
 Home Search Process Monthly Masters Contracts Reports Query Utilities Logout

Production date: 2005-10 Set
 Group process of gas successful.
 Group process of crown calc successful.
 2005-10 BT: Medicine Hat Battery Proration factor 3.29861 out of tolerance range 0.95000 to 1.05000 for product GAS

DEMOCOMP Group Battery Processing
 Batteries Battery reports

	Oil/Cond volume	Gas volume	Water volume	Crown calc	Oil sales/disp	Water disp	Revenue allocate	Fees calculate	FH/ORR oil	FH/ORR gas
<input type="checkbox"/> All facilities	▼	▼	▼	▼	Ⓜ	✓	▼	▼	▼	▼
<input type="checkbox"/> Cyclical BT	✓	N/A	N/A	✓	Ⓜ	N/A	N/A	N/A	▼	▼
<input type="checkbox"/> DBBT1	N/A	✓	✓	N/A	N/A	✓	N/A	N/A	▼	▼
<input type="checkbox"/> DBBT2	N/A	✓	✓	N/A	N/A	✓	N/A	N/A	▼	▼
<input type="checkbox"/> Drumheller Battery	✓	✓	✓	▼	Ⓜ	✓	✓	▼	▼	▼
<input type="checkbox"/> Heavy Oil Bt	✓	✓	✓	✓	Ⓜ	✓	▼	✓	▼	▼
<input type="checkbox"/> Medicine Hat Battery	▼	▼	▼	✓	Ⓜ	✓	✓	N/A	▼	▼
<input type="checkbox"/> Mid month BT	✓	✓	✓	✓	Ⓜ	✓	✓	N/A	▼	▼
<input type="checkbox"/> Redcliff Gas Battery	✓	✓	✓	✓	Ⓜ	✓	✓	✓	▼	▼
<input type="checkbox"/> Redcliff Oil Battery	▼	▼	✓	▼	Ⓜ	✓	✓	✓	▼	▼
<input type="checkbox"/> Shallow Gas Battery	N/A	▼	✓	N/A	N/A	✓	N/A	N/A	▼	▼

Navigation
 Current group DEMOCOMP
 Batteries
 Gas systems
 Functional units
 Cascades
 Units
 Injection facilities
 Custom treaters
 Terminals
 Waste Plants
 Water Sources
 AB regulatory
 BC regulatory
 MB regulatory
 SK regulatory
 Financial file submission
 Regulatory files creation
 Petrotrans file creation
 Receipt point extract creation
 EnergyLink

Process Frozen Complete Frozen Reset Reset Warning Errors Not yet run N/A Not applicable

© 2019 CGI Inc. 1:30 PM 9/17/2019

Before

- Overview
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- ✔ group process of gas successful
- ✔ group process of crown calc successful
- ⚠ 2005-10 BT: Medicine Hat Battery Proration factor 3.29861 out of tolerance range 0.95000 to 1.05000 for product gas
- ⚠ 2005-10 BT: Medicine Hat Battery Proration factor 3.29861 out of tolerance range 0.95000 to 1.05000 for product gas

Current Group:

Batteries Prod Mo.

Group Battery Processing - DEMOCOMP

Batteries

Batteries **Battery Reports**

<input checked="" type="checkbox"/> All facilities	<input type="checkbox"/> Oil/Cond volume	<input type="checkbox"/> Gas volume	<input checked="" type="checkbox"/> Water volume	<input type="checkbox"/> Crown calc	<input checked="" type="checkbox"/> Oil sales/disp	<input type="checkbox"/> Water disp	<input checked="" type="checkbox"/> Revenue allocate	<input type="checkbox"/> Fees allocate	<input type="checkbox"/> FH/ORR oil	<input type="checkbox"/> FH/ORR gas
	⚠	⚠	⚠	⚠	🔄	✔	⚠	⚠	⚠	⚠
<input checked="" type="checkbox"/> Cyclical BT	✔	N/A	N/A	✔	🔄	N/A	N/A	N/A	⚠	⚠
<input type="checkbox"/> DBBT1	N/A	✔	✔	N/A	N/A	✔	N/A	N/A	⚠	⚠
<input type="checkbox"/> DBBT2	N/A	✔	✔	N/A	N/A	✔	N/A	N/A	⚠	⚠
<input checked="" type="checkbox"/> Drumheller Battery	✔	✔	✔	⚠	🔄	✔	✔	⚠	⚠	⚠
<input type="checkbox"/> Heavy Oil Bt	✔	✔	✔	✔	🔄	✔	⚠	✔	⚠	⚠
<input type="checkbox"/> Medicine Hat Battery	⚠	⚠	⚠	✔	🔄	✔	✔	N/A	⚠	⚠
<input type="checkbox"/> Mid month BT	✔	✔	✔	✔	🔄	✔	✔	N/A	⚠	⚠
<input checked="" type="checkbox"/> Redcliff Gas Battery	✔	✔	✔	✔	🔄	✔	✔	✔	⚠	⚠
<input type="checkbox"/> Redcliff Oil Battery	⚠	⚠	⚠	⚠	🔄	✔	✔	✔	⚠	⚠
<input type="checkbox"/> Shallow Gas Battery	N/A	⚠	⚠	N/A	N/A	✔	N/A	N/A	⚠	⚠

✔ complete ⏸ frozen 🔄 reset 🔄 frozen reset ⚠ warning ❌ error ⌚ not yet run N/A not applicable

PROCESS

After

Before

Browser address bar: PAS http://omak:8070/pasdaily/operations/FacilityMaster.action?PageID=aced0005740022466163696c6974794d61737465722e61637469666e3'

Navigation menu: Home, Search, Process, Monthly, Masters, Contracts, Reports, Query, Utilities, Logout

Breadcrumbs: Batteries >> BT: Medicine Hat Battery >> BT: Medicine Hat Battery [Master]

Production date: 2005-10 [Set]

Facility Master: BT: Medicine Hat Battery, effective 2005-10

Facility Master Data:

Facility	BT : Medicine Hat Battery
Province/State code	AB
Name	Medicine Hat Battery
Location	
Facility license	
Subtype code	
Group	DEMOCOMP

Facility detail data effective 2005-10

Effective: 2005-10

Facility detail data:

Operated	<input checked="" type="radio"/> Yes <input type="radio"/> No
Process oil FH/ORR	<input checked="" type="radio"/> Yes <input type="radio"/> No
Process gas FH/ORR	<input checked="" type="radio"/> Yes <input type="radio"/> No
Primary facility	<input type="radio"/> Yes <input checked="" type="radio"/> No
Sub facility	<input type="radio"/> Yes <input checked="" type="radio"/> No
Operator (BA id)	445117 Husky Energy Inc. [0R46]
Licensee	445117 Husky Energy Inc. [0R46]
Cost centre	Drum 3-3 Drumheller Bty 3-03
Calculation method	Prorated
Has satellites	<input type="radio"/> Yes <input checked="" type="radio"/> No
Invoice reference	
Generate Petrotranz file	<input type="radio"/> Yes <input checked="" type="radio"/> No

Government reporting

Government code: AB BT 1988027

Facility actions: Save, New, Copy, Detail, New, Expire, Delete, Comments, New

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- How do I...
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☰ your notifications will show here



- Refresh tree
- Show wells
- Expand / Collapse
- Redcliff Gas Plant
- Redcliff Gatherine System
- Hanna Non Op Gas Battery
- Medicine Hat Battery**
- Redcliff Gas Battery
- Redcliff Oil Battery
- Shadow Gas Battery
- Westblock Non Op GS

Batteries » BT: Medicine Hat Battery » BT:Medicine Hat Battery Master

Prod Mo. October, 2019

Facility master

- Facility
- Products
- Production options
- Measurement points
- DOI
- Delivery profile
- Contracts

Facility master

Facility

Province/State code

Name

Location

Facility license

Subtype code

Group

Facility detail

Effective

Operated Yes No

Process oil FH/ORR Yes No

Process gas FH/ORR Yes No

Primary facility Yes No

Sub facility Yes No

Operation (BA id) Husky Energy Inc. [0R46]

Licensee Husky Energy Inc. [0R46]

Cost centre Drumheller Bty 3-03

Calculation method

Has satellites Yes No

Invoice reference

General Petrotranz file Yes No

Comments

[view all \(1\)](#)

"this is what a previous comment would look like"
by admquaresma at 2019-10-17

SAVE

After

[PAS http://omak:8070/pasdaily/operations/UtilityStart.action?presentationBean.masterMode=true](http://omak:8070/pasdaily/operations/UtilityStart.action?presentationBean.masterMode=true)

PAS Utility Start

File Edit View Favorites Tools Help

Screen Help
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Breadcrumbs: Batteries >> BT: Medicine Hat Battery >> BT: Medicine Hat Battery [Master]

[Home](#) [Search](#) [Process](#) [Monthly](#) [Masters](#) [Contracts](#) [Reports](#) [Query](#) [Utilities](#) [Logout](#)

Production date: 2005-10 [Set](#)

Utility Start

AB regulatory	BC regulatory	Contracts	Financial information	Imports/Exports
AB pool codes MRF wellbore linkages Par prices Petrinex defaults Royalty multipliers Solvent GEF Waste/reporting codes Well groups	BC pool codes Oil threshold price Solvent GEF Waste/reporting codes	Client royalty factors Deduction/rate types Facility charge sub types Global rates Marketing sub types	Business associate types Business associates Contract account reference Cost centre / DOI validation Cost centre acct. reference Cost centres Division of interest Facility account reference Functional units GL accounting rules General ledger mapping Non resident tax	Exports External systems Imports
MB regulatory	Security	SK regulatory	System	Technical
MB Oil royalty factors MB pool codes	Group manager Group user manager User manager User role manager	Crude oil types Gas price Gas royalty factors Horizon codes Oil royalty factors Out of province equivalent codes Solvent GEF Vintages Waste/reporting codes	Change well type Client table Convert operated to sub Delivery profiles Endpoint facility types Facility Subtypes Fluid Netting GPA factors Load fluid unrecovered Negative allocation tolerance Province/state codes Rename facility id Rename functional unit id Rename measurement point Volumetric overrides	Currently running jobs Currently running queries Currently running reports Event Listeners Events Log maintenance Performance metrics Upgrade Version XSD schema browser

Navigation
 AB regulatory
 BC regulatory
 Contracts
 Financial information
 Imports/Exports
 MB regulatory
 Security
 SK regulatory
 System
 Technical

Windows Taskbar: 1:32 PM 9/17/2019

Before

- Overview
- How do I...
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☰ your notifications will show here



- ▼ AB regulatory
- ▼ BC regulatory
- ▼ Contracts
- ▼ Financial Information
- ▼ Imports/Exports
- ▼ MB regulatory
- ▼ Security
- ▼ SK regulatory
- ▼ System
- ▼ Technical

Batteries » [BT: Medicine Hat Battery](#) » [BT:Medicine Hat Battery_Master](#)

Prod Mo. October, 2019 ▼

Utility Start

AB regulatory	BC regulatory	MB regulatory	SK regulatory	Contracts
AB pool codes	AB pool codes	MB Oil royalty factors	Crude oil types	Client royalty factors
MRF Wellbore linkages	MRF Wellbore linkages	MB pool codes	MRF Wellbore linkages	Deduction/rate types
Par prices	Par prices		Gas price	Facility charge sub types
Petrinex defaults			Gas royalty factors	Global rates
Royalty multipliers			Horizon codes	Marketing sub types
Waste/reporting codes			Oil royalty factors	
Well groups			Out of province equivalent codes	
			Vintages	
			Waste/reporting codes	
Financial Information	Imports/Exports	Security	System	Technical
Business associate types	Exports	Group manager	Change well type	Currently running jobs
Business associates	External Systems	Group user manager	Client Table	Currently running queries
Contract account reference	Imports	User manager	Convert Operated to sub	Currently running reports
Cost centre / DOI validation		User role manager	Delivery profiles	Event Listeners
				Marketing sub types

After

Before

The screenshot displays a web application interface for 'Columns Selection' in the 'Alberta Oil Crown Royalty' section. The interface is divided into several panels:

- Navigation Panel (Left):** A list of menu items including 'Alberta Crown Revenue Type', 'Alberta MRF Wellbore Calculation', 'Alberta Oil Crown Royalty', 'BC 08 Submissions', 'BC 09 Submissions', 'BC Crown Responsibility Master', 'BC Crown Royalty Estimate', 'BC S1 Submissions', 'BC S2 Submissions', 'Battery Production', 'Business Associate Masters', 'Circular Battery Dispositions', 'Contract Allocation Path', 'Contract Allocations', 'Contract Quantities and Values', 'Custom Allocations Factor', 'Delivery Profile Allocations', 'Division of Interest Masters', 'EOR Royalty Relief Calculations', 'EnergyLink Transactions', 'EnergyLink Transactions by GL Month', 'EnergyLink Validation by GL Month', 'Facility Average Price', 'Facility Balance', 'Facility Charge Contract Masters', 'Facility Masters', 'Facility Monthly Netting Data', 'Facility Product Balance by Owner', 'Financial Interface Trans by GL Month', 'Financial Interface Transactions', 'Functional Unit Capacity Allocations', 'Functional Unit Throughput Allocations', 'Functional Units Master', 'GL Account Mapping', 'Gas Allocations', 'Gas Allocations Sum by Well', 'Gas and Liquid Analysis', 'Gas and Liquid Linked Analysis', 'MB Oil Crown Royalty', 'MB Spacing Units', 'MB Well Holiday', 'Marketing Contract Master', 'Masterfile Audit Data', 'Measurement BA Allocation Path', 'Measurement Nonop Gross Net Query', 'Measurement Ownership Allocations', 'Measurement Point Masters', 'Measurement Vol by Priority and Cmpnt', 'Measurement Volumes by Component', and 'Monthly Measurements'.
- Breadcrumb and Header (Top):** Shows 'Home', 'Search', 'Process', 'Monthly', 'Masters', 'Contracts', 'Reports', 'Query', 'Utilities', and 'Logout'. A 'Production date:' selector is set to '2005-10', and the 'R19 Branch' is indicated.
- Main Query Editor (Center):** Titled 'Alberta Oil Crown Royalty', it contains a 'Query on' dropdown set to 'Alberta Oil Crown Royalty'. Below it is a list of 'Available Columns' with 'Crown Calculation Method' selected. Navigation arrows '>>' and '<<' are visible between the available and shown columns lists.
- Show These Columns (Right):** A list of columns to be displayed, including 'Prod Month', 'Facility Id', 'Well Id', 'UWI', 'Shut In', 'Production Vol', 'Gross Crown Royalty Vol', 'Royalty Incentive Type', 'Royalty Incentive Benefit Vol', 'Net Crown Royalty Vol', 'Crown Mineral Interest', 'Par Price', 'RP Percent', 'RQ Percent', 'Combined Royalty Percent', 'Density Type Name', and 'Use Max Royalty Rate Deduction'. 'Up' and 'Down' buttons are present for reordering.
- Footer (Bottom):** Includes 'Next', 'Back', 'Show SQL', 'Run', and 'Save' buttons, along with a 'Query Name' field. The system tray shows the time as 4:06 PM on 11/4/2019.

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☰ your notifications will show here



▼ Query utilities

- Current Queries
- My Queries
- Group Queries

▼ Create new query

- Alberta Crown Revenue Type
- Alberta MRF Wellbore Calculation
- Alberta Oil Crown Royalty
- BC 08 Submissions
- BC 09 Submissions
- BC Crown Responsibility Master**
- BC Crown Royalty Estimate
- BC S1 Submissions
- BC S2 Submissions
- Battery Productios
- Business Associate Masters

Facility Selection - BC Crown Responsibility Master

Prod Mo. October, 2019 ▼

New Query

From to Groups Scope My group All groups Show SQL

Available facilities

Query on these facilities

- ▲ CGI Resources
- ▲ Pastrain00
 - BT: ABBT1111100
 - GP: ABGP5000100
 - GS: ABGS9000100
- ▼ unassigned



- ▲ CGI Resources
- ▲ Pastrain00
 - BT: ABBT1111100

NEXT

Query name

SAVE

RUN

After

Questions?



Our commitment to you

We approach every engagement with one objective in mind—to help clients succeed.