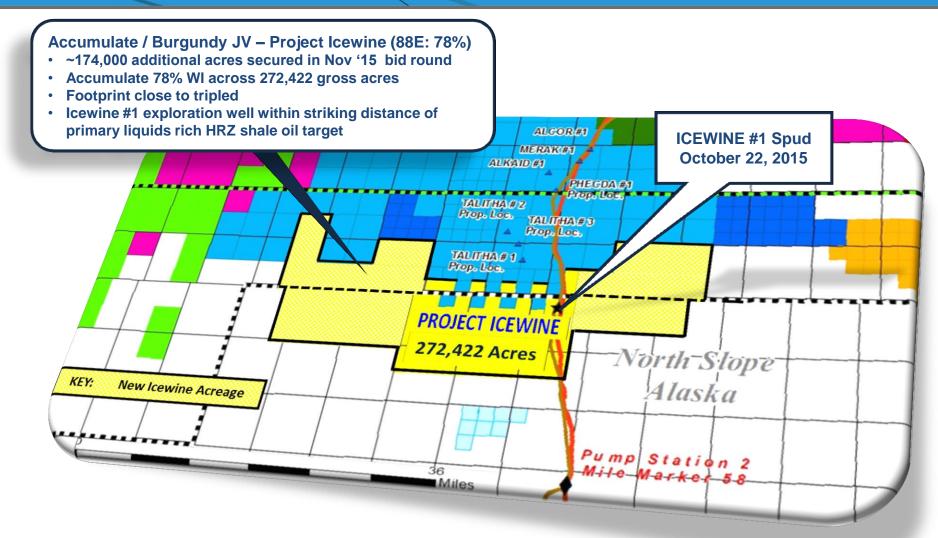




# Project Icewine, Onshore Alaska Increased Acreage Position – Drilling Now





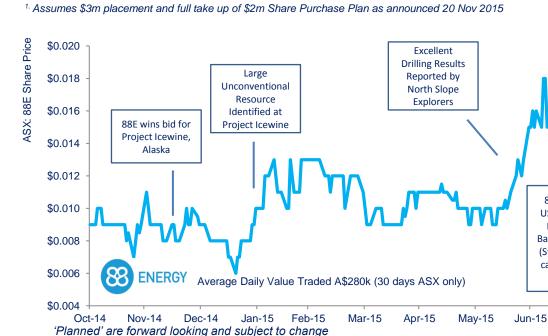
- 174,240 additional acres secured increases project size to 272,422 acres, 212,489 acres net to 88 Energy
  - Significant increase in scale to maximise success case leverage and put on radar for large companies
- High impact drilling to test HRZ shale oil play underway HRZ play now controlled by Icewine JV

# **Company Snapshot**



88 Energy Limited (ASX, AIM 88E)	Current	Post CR <sup>1</sup>
Shares on Issue	2,339m	2,839m
Options on Issue	567m	567m
Market Capitalisation @ A\$0.012)	A\$28.1m	A\$34.1m
Cash (unaudited)	A\$6.2m	A\$11m
Enterprise Value	A\$21.8m	A\$23.1m
Av. Daily Value Traded (30 days –ASX and AIM)	A\$280k	
Board and Top 20	55%	

Board and Management		
Michael Evans	Non-Executive Chairman	
David Wall	Managing Director	
Brent Villemarette	Non-Executive Director	
Dr Stephen Staley	Non-Executive Director	
Elizabeth Pattillo	Exploration Manager	
Erik Opstad	General Manager Alaska Operations	





Contracted -

Kuukpik 5

Aug-15

Sep-15

Bank of America

(State of Alaska

cash rebate up

to 85%)

Jul-15

#### Acquire new 3D seismic **Assess conventional** resource potential

acres

Oct-15

Secure JV / Funding **Partner** 

result assessment

of existing 3D

seismic

• Spud Icewine #2 Horizontal or **Conventional Well** 

Dec-15 Nov-15

# **Project Icewine Acreage Acquisition Strategy**



#### **DOUBLE DOWN STRATEGY\***

- Further research has increased confidence to expand acreage
  - 98,182 acres to 272,422 acres (212,489 net) an increase of 174,240 acres# # Subject to formal award and payment of remaining 80% bid amount (US\$5.5m)
- A\$20m of shareholder funds invested to date 20% down-payment of US\$740k (net) more than doubles project potential for <4% of current market capitalization</li>
- Unique understanding of the shale oil play coupled with downturn in oil price creates opportunity in one of world's remaining frontier regions with no effective competition
- Diversification of risk achieved through additional acreage by increasing chance of one or more play types working across larger position
- Scale now at a level that "moves the needle" for majors / National Oil Companies
- Majority of HRZ play now captured by JV -> 88E in the "box seat" in success case scenario –
  internal estimate of potential now exceeds 2b barrels recoverable
- Exposure to conventional plays (Brookian, Kuparuk) also more than doubled

<sup>\*</sup>To Double Down is to increase exposure to an outcome based on a favourable move in odds of achieving that outcome There is no guarantee of success and risk in oil and gas exploration remains high

# **Project Icewine Funding Strategy – Why Invest?**



#### Capital Raising: Up to A\$5m (A\$3m placement + A\$2m Share Purchase Plan)

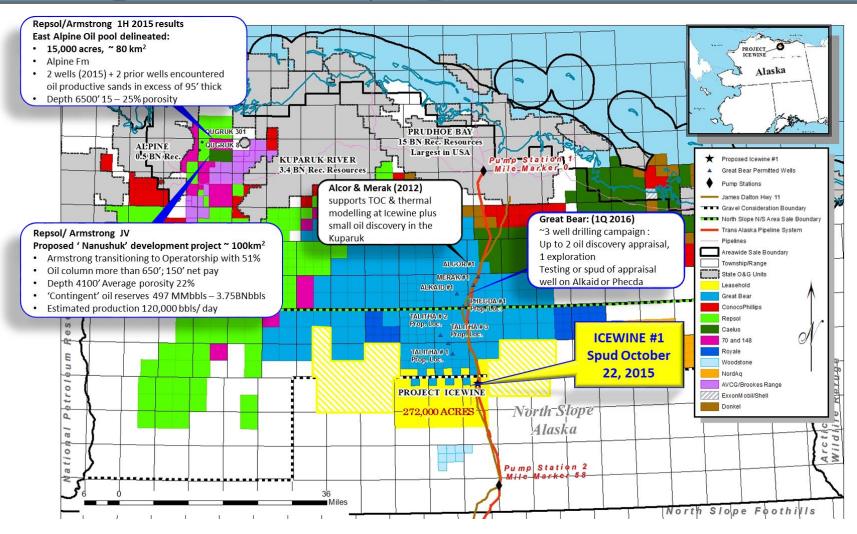
- Capital raising to support acreage acquisition strategy and put 88 Energy in the "box seat" - significantly oversubscribed
- Use of proceeds include; deposit on additional acreage, potential purchase of existing 3D seismic data / seismic acquisition and for general working capital purposes
- Share Purchase Plan to be processed on a "first come, first served" basis

#### Why Invest Now?

- Acreage acquisition more than doubles potential across multiple plays for minimal dilution
- Bottom of cycle entry price creates anti-cyclical investment opportunity
- Huge scale of HRZ shale play means that substantial value-add will occur on success, regardless of commerciality at current prices
  - Potential for highly accretive farm-out in 2016
- Conventional plays remain attractive at current oil prices
  - Require 3D seismic to unlock
- Multiple return potential now more than doubled at an entry price less than the current Enterprise Value (based on \$0.01 placement) despite almost tripling acreage position

# Project Icewine, Onshore Alaska High Impact Drilling on Expanded Acreage





- Icewine #1 well spud October 22, 2015 targeting potential multi billion barrel potential shale oil prize
- 174,240 acres secured as high bidder in November 2015 lease sale increases project size to 272,422 acres

# **Project Icewine Highlights**



#### PREMIER ACREAGE POSITION IN STRATEGIC LOCATION

#### Strategic, Tier-1 location – 272,422 gross acres (212,489 acres net to 88E)

- Prolific oil region: 35 miles south of largest conventional oilfield in North America (Prudhoe Bay 15B barrels)
- Operational year-round access: acreage position on Dalton Highway
- Access to export pricing: Trans-Alaska Pipeline (~1.5MMbopd spare capacity) runs through acreage
  - Brent or better pricing available
- Efficient path to market: Pump Station 1 is 35 miles north; Pump Station 2 is 10 miles south
  - Initially accessible via simple trucking operation via Dalton Highway
- High Impact Drilling on track: existing gravel pad provides location for first well in Oct 2015, Icewine #1
- 78% working interest (Operator), 22% JV partner Burgundy Xploration LLC originator of HRZ shale play

#### Favorable fiscal terms

- 10-year primary lease term with no mandatory relinquishment
- Globally unique risk/reward due to 75-85% E&D cash rebates from the State of Alaska
- 12.5% State royalty (16.5% including ORRI)

#### Significant recent exploration success nearby

- Repsol large conventional discovery 45 miles northwest testing, potential for similar play at Icewine
  - 25,000 acre, 650ft gross / 150ft net pay, 22% porosity -> likely multi-hundred million barrel discovery
- Alkaid #1 (Q1, 2015) implied discovery, results reported to be imminent

# **Icewine #1 Value Unlock Equation**



#### **Goal and Opportunity**

- The Icewine#1 exploration well is designed to better quantify risk so that a farm-out can be achieved in 2016 => potential to generate over a billion dollars in value for investors
- Highly leveraged opportunity due to low market cap (<US\$20m) and bottom of cycle entry point => many multiple returns on investment possible

#### **Concepts**

- Expected Monetary Value (EMV): (Probability of Commercial Success \* Potential Value on Success) Less (Probability of Failure \* Cost of Failure)
  - Strongly positive EMV leads to internal recommendation at Big Oil Companies to invest (subject to ranking with other prospects/developments, funding and strategy)

#### **Assumptions**

- Oil price to increase NPV per bbl at US\$80/bbl = US\$3-\$5 (internal estimate)
- 2 billion barrel recoverable shale prize (internal estimate, shale success case only)
- 10 horizontal appraisal wells required to prove play @ US\$35m each = US\$350m (prior to any rebate)

#### **EMV** Equation

- Using the above assumptions and 30% chance of success results in EMV of US\$1.5-2.7b
- Size of prize too big for Industry to ignore if play de-risked by Icewine#1

# **Icewine #1 Operations**



#### Icewine #1 Objectives:

- · De-risk HRZ shale oil play by cutting core
- First insight into conventional reservoir play potential - Brookian & Kuparuk sands

#### **Operations:**

- Vertical pilot well
- Spud October 22 2015
- Planned Total Depth:11,600' MD
- Scheduled to take 30 days
- Logging While Drilling (LWD) program plus contingent wireline logs

#### **Brookian Observations so Far**

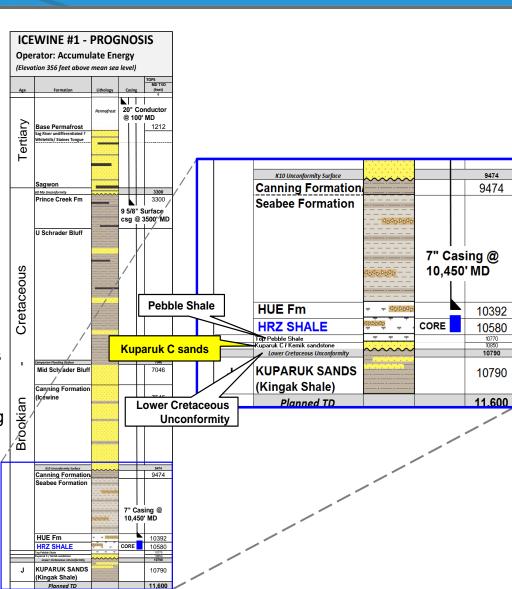
- Multiple minor oil shows over interval
- Indications of high quality reservoir
- Elevated mud gas including heavier C5+ fractions

#### **Current Activity:**

 Drilled to 8,773', undergoing repairs before drilling to primary HRZ target

#### **Look Forward:**

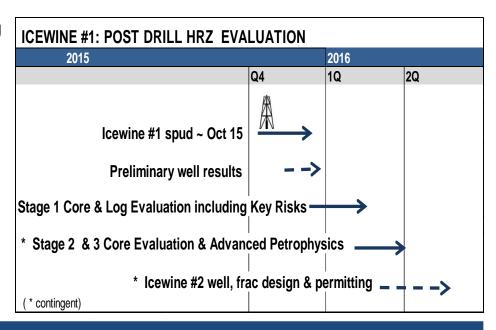
- Evaluate remaining Brookian conventional potential in 8 ½" hole
- Set 7" casing at ~ 10,450' MD
- Cut 2 x 90' cores in HRZ shale interval
- Drill ahead to Proposed Total Depth (PTD) to evaluate the Kuparuk sands



## HRZ Liquids Rich Play Post Drill Formation Evaluation



- Whole core evaluation pivotal to understanding HRZ shale oil play
- Methodology requires multi-disciplinary analysis and data integration including:
  - Geochemistry, petrophysics, petrology, sedimentology, reservoir characterisation, rock mechanics, engineering including frac & completion design, geophysics/ seismic
- Certain results will be available during each stage and will be reported as appropriate



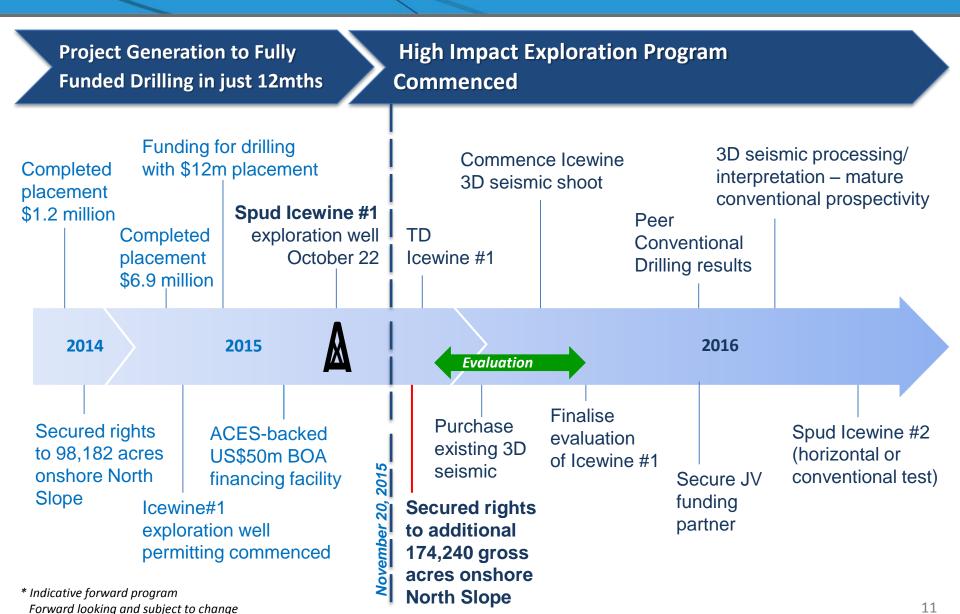
#### Commercial success of the HRZ highly dependent on three critical parameters

#### **Key Factors addressed in Core Evaluation Stage 1:**

Effective bottom seal & frackability	<ul> <li>Brinell hardness test</li> <li>Triaxial compressive strength</li> <li>Closure stress - calibrated dipole sonic</li> </ul>
Wet gas thermal maturity window	<ul><li>RockEval pyrolysis</li><li>Visual kerogen analysis &amp; VR</li><li>Hydrocarbon chromatography analysis</li></ul>
Matrix permeability	<ul><li>GRI crushed shale analysis</li><li>Dry Gas Basis Matrix Permeability Calculation</li></ul>

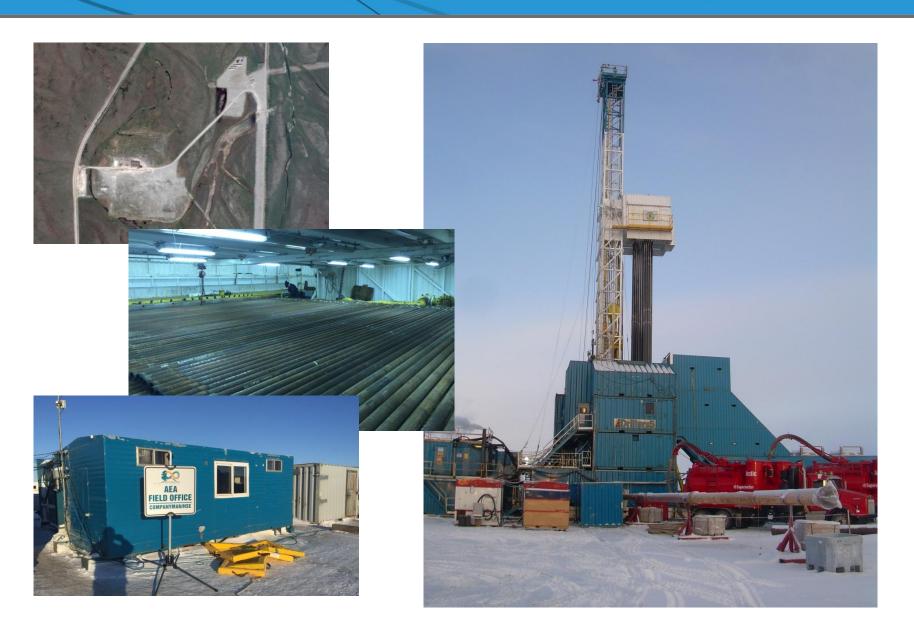
# **Corporate Timeline / Upcoming Catalysts**





# HRZ WITHIN STRIKING DISTANCE





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Investor Services Pty Ltd

ASX: 88E

**AIM: Computershare** Investor Services Pty Ltd

AIM: 88E

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