

Flaring and Venting in British Columbia



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Quick facts for BC

- Oil and Gas Commission
 - Independent Regulatory Agency
- Gas Prone Province
- Wells Drilled
 - Total = 18,500
 - 2005 year = 1,426
- 2005 Production
 - Gas $27,854 \text{ } 10^6 \text{ m}^3$
 - Oil $1,750 \text{ } 10^3 \text{ m}^3$

History of Flaring in BC

Going Forward

- Guideline development is split into two projects
- Draw heavily from Guide 60
- Engage CAPP, Large producers and other Gov't agencies during development
- OGC likes consensus-based approach
 - committee to be struck in future
- Guidelines developed by next year

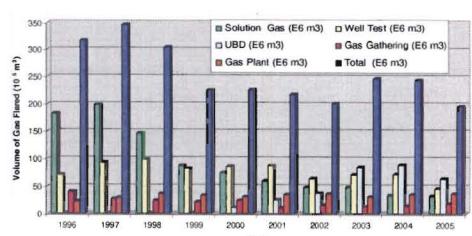
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Flaring Vision

- Reduction in the quantity of flared gas per unit production – all sources
- Flaring hierarchy - cornerstone to Provincial reduction strategy
 - Eliminate, Reduce, Improve efficiency

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Annual Flared Volumes by Type



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Annual Flaring Data

Year	Solution Gas 10 ⁶ m ³	Well Test 10 ⁶ m ³	UBD 10 ⁶ m ³	Gathering 10 ⁶ m ³	Plants 10 ⁶ m ³	Total 10 ⁶ m ³	Oil Prod 10 ⁶ m ³	Soln Gas Prod 10 ⁶ m ³
1996	182.3	71.1	0	40.6	22.7	316.7	2206	142
1997	198.5	93.5	0	26.4	29	347.4	2525	1681
1998	145.8	99.1	0	23.6	35.7	304.2	2670	1700
1999	87.8	82.8	0	20.5	33.7	224.8	2334	1629
2000	74.9	86.7	11	23.5	30.6	226.7	2568	1638
2001	59.7	87.3	25.7	10.2	35.4	218.3	2569	1558
2002	49.1	63.8	38	15.3	35.7	201.9	2426	1251
2003	48.7	70.7	84.4	12.4	31	247.2	2203	1233
2004	33.9	72.4	89	14	35	244.3	2015	1182
2005	32.5	45.5	63.8	18.1	36	195.9	1750	1085

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Current Issues

- Federally regulated gas plants
- Lack of accurate baseline flaring data
 - Reporting non-compliance
 - Multi-jurisdictional reporting
- Under-balanced drilling
- Currently no incentives for conservation of flared solution gas
- Database system undergoing changes to accommodate flare reporting

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