



DAWG meeting
17 June 2015

Agenda

1. DAWG: Scope and governance

2. D+1

- **Data inputs**
- **Timing**
- **Outputs**
- **Possible wash ups**

3. Timetable

DAWG Run

1. **Governance of DAWG**
 2. **How decisions are made**
 3. **Transparency**
 4. **Scope of work**
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Wash ups

BPP
(volumes only)

Daily receipts
GTA + nominations

D+1

Daily data

D+1: It's a piece of cake

What inputs does D+1 need?

Daily:

- Gas gate injection data
- Consumption data for telemetry ToU customers

Monthly:

- ToU data for all consumers
- Allocated quantities for each day & each allocation stage

This information is used to refresh the regression models

When can D+1 be produced? Tradeoff between...

Timeliness

Status quo

	CP	ID1	ID2	ID3	ID4
Nominations due	1600	2200	0500	1100	1700
Approval	1700	2300	0600	1200	1800

MDL's modified Option 4

	CP	ID1	ID2	ID3	ID4
Nominations due	1600	2200	1000	1500	1900
Approval	1700	2300	1100	1600	2000

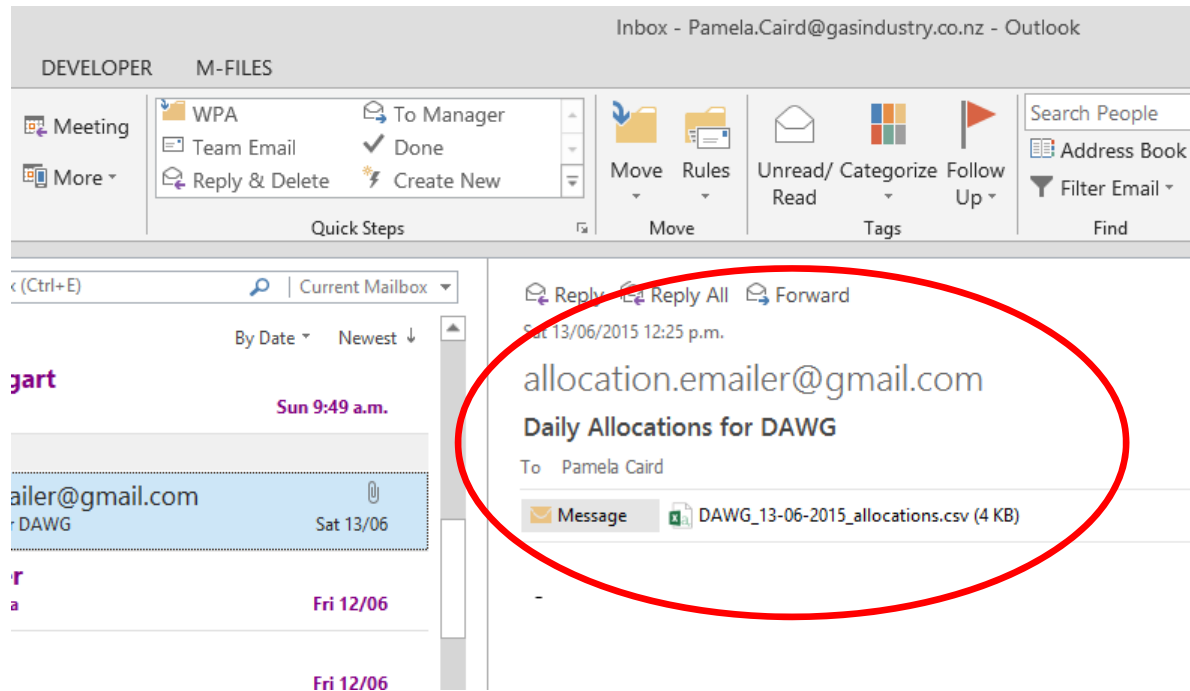
Accuracy (availability of data)

Data type	Time available
Gas gate injection data	Around 11:30 ?
AMS ToU data	?
Retailer A ToU data	Around 14:00 ?
Retailer B ToU data	Around 10:00
Other retailer TOU data?	?

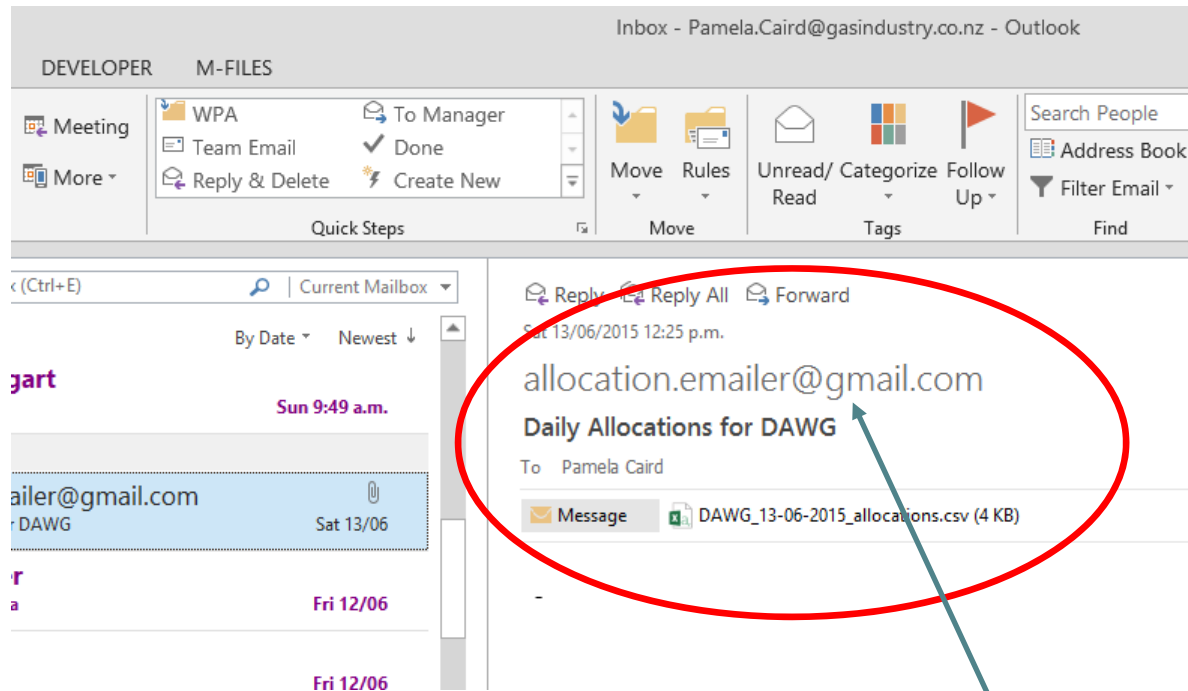
Which ICPs to include in daily data collection?

- May be worth thinking about prioritising particularly large ICPs, estimating the rest?

D+1 results will be emailed initially...



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Will probably use
Allocations@gasindustry.co.nz

Example D+1 results

	A	B	C	D	E	F	
76	10/06/2015	NORTH	DAWG	1	realtime	7.54512	
77	10/06/2015	NORTH	DAWG	2	realtime	159.386	
78	10/06/2015	NORTH	DAWG	7	realtime	5920.2	
79	10/06/2015	SKF	DAWG	1	realtime	217.174	
80	10/06/2015	SKF	DAWG	7	realtime	2934.33	
81	11/06/2015	BOP	DAWG	1	realtime	39.2471	
82	11/06/2015	BOP	DAWG	2	realtime	774.415	
83	11/06/2015	BOP	DAWG	7	realtime	337.423	
84	11/06/2015	NORTH	DAWG	1	realtime	14.2374	
85	11/06/2015	NORTH	DAWG	2	realtime	165.371	
86	11/06/2015	NORTH	DAWG	7	realtime	5867.85	
87	11/06/2015	SKF	DAWG	1	realtime	224.797	
88	11/06/2015	SKF	DAWG	7	realtime	3392.83	
89	12/06/2015	BOP	DAWG	1	realtime	0	
90	12/06/2015	BOP	DAWG	2	realtime	211.365	
91	12/06/2015	BOP	DAWG	7	realtime	348.887	
92	12/06/2015	NORTH	DAWG	1	realtime	0	
93	12/06/2015	NORTH	DAWG	2	realtime	173.356	
94	12/06/2015	NORTH	DAWG	7	realtime	5717.35	
95	12/06/2015	SKF	DAWG	1	realtime	222.865	
96	12/06/2015	SKF	DAWG	7	realtime	3285.65	
97	13/06/2015	BOP	DAWG	1	realtime	167.011	
98	13/06/2015	BOP	DAWG	2	realtime	755.054	
99	13/06/2015	BOP	DAWG	7	realtime	286.302	
100	13/06/2015	NORTH	DAWG	1	realtime	0	
101	13/06/2015	NORTH	DAWG	2	realtime	799.364	

Data headers:

A: Consumption date

B: Pool

C: Retailer code

D: Allocation group
(7 = all non-ToU)

E: ("realtime" does not
signify anything –
will be removed)

F: GJ

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At the moment, split into

- AG1 (based on daily data)
- AG2 (modelled from residual)
- Mass market (modelled from residual)

May be better aggregated?

How could D+1 be used to calculate wash-ups?

	D+1 allocations for the month	Running mismatch	Interim allocation	Running mismatch	Wash-up (interim - D+1)	Running mismatch
Retailer A	60	RM_A	50	$RM_A + 10$	-10	RM_A
Retailer B	50	RM_B	55	$RM_B - 5$	+5	RM_B
Retailer C	90	RM_C	95	$RM_C - 5$	+5	RM_C
	200		200	$\Sigma(\text{all RM}) + 0$	0	$\Sigma(\text{all RM}) + 0$

In this example, wash-ups buy or sell the gas that gets
“moved” from one allocation to another

What if gate injections change?

Scaled by (220/200)

	D+1 allocations for the month	Running mismatch	Interim allocation	Running mismatch	Scaled interim allocation	Wash-up (scaled interim - D+1)	Running mismatch
Retailer A	60	RM_A	55	$RM_A + 5$	50	-10	$RM_A - 5$
Retailer B	50	RM_B	65	$RM_B - 15$	59.1	+9.1	$RM_B - 5.9$
Retailer C	90	RM_C	100	$RM_C - 10$	90.9	+0.9	$RM_C - 9.1$
	200		220	$\Sigma(\text{all RM}) - 20$	200	0	$\Sigma(\text{all RM}) - 20$

In this example, the wash-ups “correct” the earlier allocation – but the increased gate volume is still dealt with in the normal fashion

Timetable

Internal testing: now

- Data receipt
- Creation of D+1
- Emailing results

External testing: early July

- D+1 results to retailers

FTP data transfer: September

- Use for data collection and results
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