



Department
for Transport

DfT Local Transport Air Quality Challenge Innovation Grant Competition Webinar (16th October 2015)



Agenda

- ▶ Air Quality & Transport Challenges Grant Competition
 - ▶ Introduction to the scheme
 - ▶ Ideas for Proposals
 - ▶ Application process and Grant Application Form
 - ▶ Evaluation criteria
 - ▶ FAQs
- ▶ Next steps and timescales (2015/6)



Introduction to Air Quality & Transport Challenges Grant Competition

- ▶ DfT expects to offer grants to 3-6 proposals from a total pot of £250,000;
- ▶ 100% funding of development of new innovative ideas/concepts;
- ▶ Technology Readiness level 3-6;
- ▶ Option of 30% funding upfront;
- ▶ Focus is on science, engineering and technology-based innovations;
 - ▶ Products;
 - ▶ Processes;
 - ▶ Services;
 - ▶ Prototypes.
- ▶ Should have potential for strong impact.



Ideas for Proposals

- ▶ **Novel solutions that address the transport and air quality challenge, using on-vehicle or off-vehicle methods;**
- ▶ **Support local decision making;**
- ▶ **Credible solutions that relate to real roads and streets.**



Areas of interest

- ▶ Ways of characterising with greater spatial, temporal or source resolved detail the air pollutant emissions from the transport fleet or the effect of transport air pollution mitigation measures in real-time or near real-time;
- ▶ Measurement systems to better characterise the NO₂ fraction in vehicle exhaust, especially in real/near real-time;
- ▶ Using smart traffic management systems to reduce air pollution emissions;



Areas of interest

- ▶ Other ways of modifying route choice, driving style, or engine management systems in response to air pollution concentrations and/or to reduce air pollution emissions;
- ▶ Retro-fit systems to reduce both energy use and emissions, or dynamic engine optimisation for high mileage urban vehicles;
- ▶ Novel approaches (e.g. in charge-point functionality, accessibility, or technologies) to using rapid EV-chargers to modify EV or ULEV uptake in or around air pollution hotspots, or for ULEVs to be targeted at pollution hotspots.



Initial sift according to impact

- ▶ Maximum impact if you can **credibly** demonstrate the proposal:
 - ▶ Addresses one or more of the six areas of interest;
 - ▶ Can be used to significantly reduce concentrations or impacts of both NO_2 and $\text{PM}_{2.5}$.
 - ▶ Describes a deployable solution.
 - ▶ You have engaged with a suitable air quality managing authority.



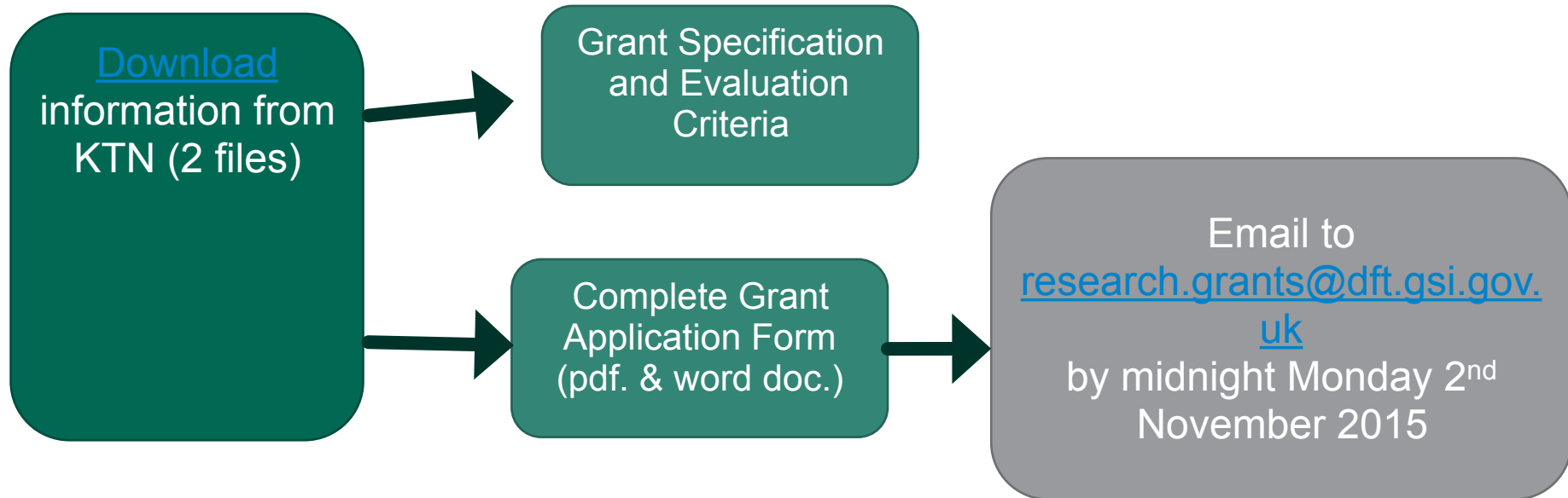
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The Application Process





Application Process





Grant Application Form - Background Info

Project Title

Company/Organisation name

[A] AWARENESS OF DfT LOCAL TRANSPORT AIR QUALITY CHALLENGE INNOVATION GRANT OCTOBER 2015

How did you learn about the DfT Local Transport Air Quality Challenge Innovation Grant October 2015 competition? (Delete all that do not apply)

[A.1]	From the media Informed by DfT website Web search on DfT Informed by Knowledge Transfer Network Web search on Knowledge Transfer Network Informed by Technology Strategy Council Other general web search Previous experience of applying for DfT Grants Twitter Through the LAQN, APRIL or other professional networks Other (please specify) _____
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Grant Application Form - Project Proposal

DfT Local Transport Air Quality Challenge Innovation Grant
Grant Application Form

[1] What is the air quality & transport challenge or issue being addressed by the proposed project?

What is the aim of the proposed project? What transport challenge is it trying to address? Provide evidence of the impact of the issue you are addressing and of the value society would derive from successfully addressing this challenge. Comment on the timescales and chances of delivering these benefits.

Note: Where this project proposal only covers one element of a larger development programme then discuss the problems addressed by the wider programme rather than restricting yourself to this element.

Please provide details for the problem or issue being addressed by the proposal (max 300 words)



Grant Application Form - Project Finances



[5] Project finances. Does the project demonstrate value for money?

Please provide costings with justification for the grant amount requested. Specify the number of staff utilised, their expertise level, their daily charge rate and number of days of work as well as other costs such as equipment etc. clearly in table [5.2]. Make sure each expense listed below is justified. Please clearly specify costs such as material, sub-contracting (excluding VAT).

Clearly specify the total amount of funding sought in [5.3].

Please provide details (max 300 words)





Grant Application Form - Project Finances

DfT Local Transport Air Quality Challenge Innovation Grant
Grant Application Form

[5.1]	<p>Payment of 30% of grant payment at beginning of project Applicant should indicate in the box below if they wish to receive 30% of the grant when they sign the Grant Offer Letter. <i>(Delete as appropriate)</i></p> <p>I wish to receive 30% early payment and 70% at the end once my report is approved by the DfT</p> <p>I wish to receive 100% payment at the end once my report is approved by the DfT</p>
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[5.2]	<p>Cost Items excluding VAT <i>(insert/delete rows as required)</i> (Successful applicants will need to use these figures when applying for the final grant payment)</p>	Budget (£)
	Name of Employee 1 _____ daily rate £	
	Name of Employee 2 _____ daily rate £	
	Name of Employee 3 _____ daily rate £	
	Name of Employee 4 _____ daily rate £	
	Consultancy/Sub-contracting charges	
	Material costs	
	Other Expenses (please specify)	
	TOTAL COSTS (excluding VAT)	

[5.3]	<p>Total funding sought from the Air Quality & Transport Challenges Grant <i>(This should match the Total Costs in [5.2], if not please explain below)</i></p> <p>£ _____</p>
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Evaluation criteria

Sections	Weighting factor	Maximum score
1. What is the air quality & transport challenge or issue being addressed by the proposed project?	1	10
2. What is the solution being proposed? What innovations are being presented and why would they improve the issue being addressed in the proposal?	3	30
3. How is this project going to be delivered and by whom? Please provide details of deliverables, project plans and methodology. The applicant must demonstrate an ability to structure the work needed to test the feasibility of their innovation.	1	10
4. How will the output of the proposed project deliver impact on air quality and UK transport? What is the impact of the proposed project on air pollutant concentrations? How could this project solution be deployed on a larger scale in the UK? Which relevant authorities (e.g. highways authority, local authority etc.) have you engaged with on this project?	4	40
5. Project finances. Does the project demonstrate value for money?	1	10
TOTAL	10	100



FAQs

- ▶ The process for this competition is slightly different from the AQ- NOx mitigation 2014 competition and previous T-TRIG competitions;
- ▶ ONLY use the forms related to this competition – available to download from KTN website;
- ▶ Application process has changed – now only submit one form in pdf and Word format;
- ▶ Funding option of 30% early payment or 100% paid after project completion;
- ▶ VAT – Grants are outside the scope of VAT. Cannot add VAT to any costs;
- ▶ No profit margins;
- ▶ The DfT expects a quality comprehensive final report of the research conducted that clearly sets out the objectives of the project, how the grant was spent and what was achieved with it (see paragraph 1.7 of *Grant Specification & Evaluation Criteria*);
- ▶ Unsuccessful applicants will not be given feedback (due to the expected large number of applications). Transparent *Evaluation Criteria* to help you strengthen your application is provided;
- ▶ Revised or new applications from unsuccessful applicants of previous air quality competition or T-TRIG are welcome, but must comply with this competition criteria.

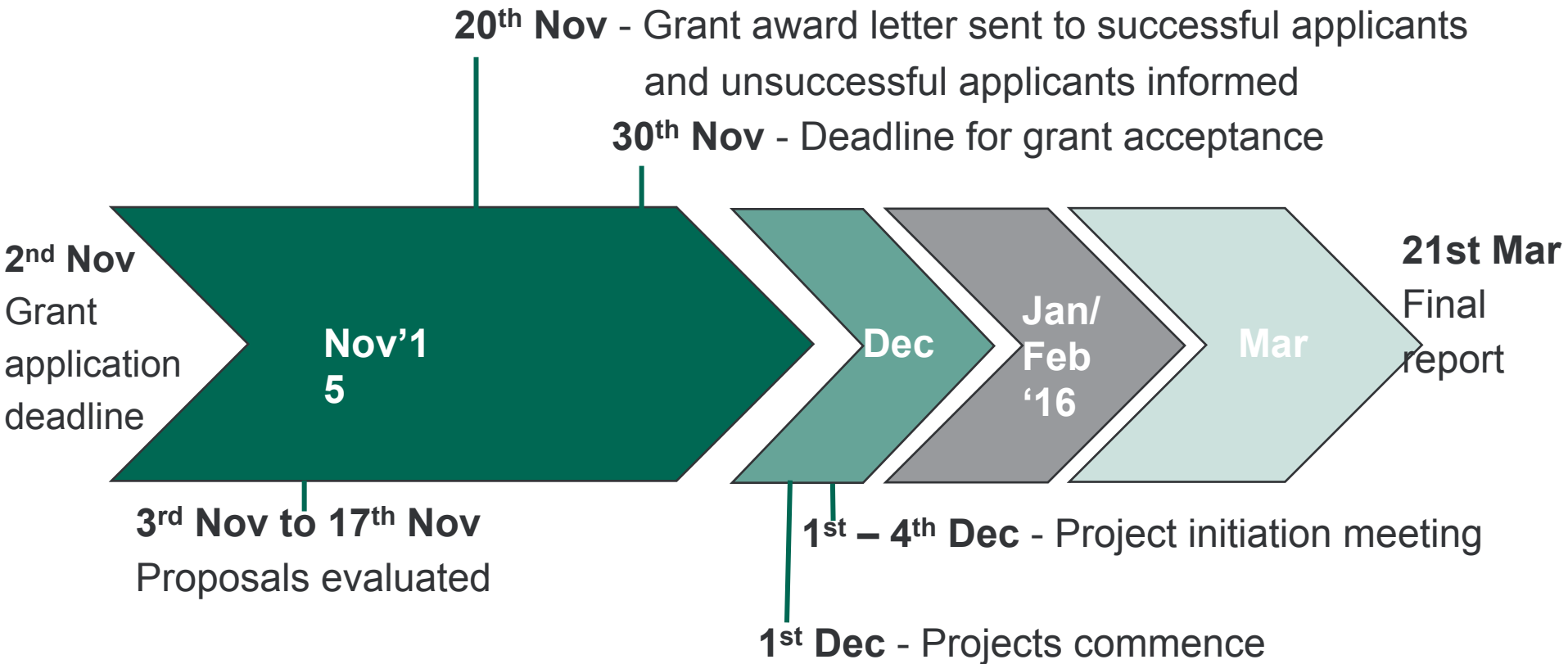


Next steps and timescales

- ▶ Deadline for submission of applications – **midnight 2nd November 2015**
- ▶ DfT panel to evaluate proposals (award of grant based on highest scoring applications according to *Evaluation Criteria*) – **3rd Nov–17th November 2015**
- ▶ Grant award letter sent to successful applicants and unsuccessful applicants informed – **by 20th November 2015**
- ▶ Deadline for grant acceptance – **30th November 2015**
- ▶ Projects commence – **1st December 2015**
- ▶ Project initiation meeting – **1st December to 4th December 2015**
- ▶ Final report – **21st March 2016**



Next steps and timescales 2015/6





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Further questions

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Thank you



TRL levels for Air Quality & Transport Challenges Competition

