

Anna Reynolds, Greens Candidate for Denison

Dr. Bob Brown, Bob Brown Foundation

Adriana Taylor,
Chair Committee,
Legislative Council
Parliament of Tasmania
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Dear Chair Taylor,

We are writing to follow-up on the question that we took on notice – to provide you with comparative examples of small cities that have light rail public transport systems. We have collated a list of light rail projects operating and under construction in small cities, with populations of less than 500,000.

Please note that while many of these examples are small cities, in some of the cases, the population indicated refers to administrative or 'catchment' areas rather than the metropolitan totals (e.g. Miami, St Louis, and Liverpool have metro areas with excess of 1 million people).

We have identified over 180 light rail projects in small cities in every region of the world that are worthy of further investigation by the committee.

Africa:

Algeria

- [Constantine](#) (under construction) (**pop: 448,374**)

South Africa

- [Kimberley](#) – heritage tram (**pop: 243,000**)

Asia:

Japan

- [Fukui](#)^[25] – [Fukui Railway](#) ([Interurban streetcar](#)) (**pop: 267,428**)
- [Hakodate](#) – [Hakodate City Transportation Bureau](#)^[26] (tramway) (**pop: 279,851**)
- [Kamakura, Fujisawa](#) – [Enoshima Electric Railway](#) (light rail) (**pop: 174,412**)
- [Kōchi](#) – [Tosa Electric Railway](#) (tramway) (**pop: 340,515**)
- [Matsuyama](#) – [Iyo Railway](#) (tramway) (*no population found. Tourist hotspot*)
- [Ōtsu](#) – [Keishin Line](#), [Ishiyama Sakamoto Line](#) (Interurban light rail) operated by [Keihan Electric Railway](#) (**Pop: 338,629**)
- [Toyama](#) (**pop: 417,324**)
 - Toyama City Line (tramway) operated by [Toyama Chihō Railway](#)
 - [Toyama Light Rail](#) (from 29 April 2006)
- [Toyohashi](#) – Toyohashi City Line (tramway) operated by [Toyohashi Railroad](#) (**pop: 383,691**)
- [Toshima, Tokyo](#) (proposed) (**pop: 370,000**)

Kazakhstan

- [Temirtau](#) – tram (**pop: 169,590**)

Europe:

Austria

- [Gmunden](#) ([Gmunden Tramway](#)), Gmunden-[Vorchdorf](#), Vorchdorf-[Lambach](#), Lambach-[Haag](#), [Vöcklamarkt-Attersee](#) (pop: 13,202 (as of 2004))
- [Graz](#) (pop: 291,890)
- [Innsbruck](#) (pop: 117,915 (as of 2007))
- [Linz](#), [Linz-Pöstlingberg](#), Linz-[Waizenkirchen](#) (pop: 191,107)
- [Salzburg](#) (Pop: 148,078)

Belarus

- [Mazyr](#) (pop: 111,770 (as of 2004))
- [Novopolotsk](#) (pop: 107,458)
- [Vitebsk](#) (pop: 342,381 (as of 2004))

Belgium

- [Charleroi](#) - [Charleroi Tram](#) (pop: 201,593)
- [Ghent](#) - [Ghent Tram](#) (pop: 240,191)

Czech Republic

- [Liberec](#) (pop:150,000)
- [Most-Litvínov](#) (pop:67,189)
- [Olomouc](#) (pop: 102,000)
- [Ostrava](#) (pop: 310 464)
- [Plzeň](#) (pop: 172,932)

Denmark

- [Aarhus](#) - Decision made to build a tramway - [Aarhus Letbane](#) (pop: 315,193)
- [Odense](#) - Planned tramway (pop: 191,610)

Estonia

- [Tallinn](#) - [Tallinn tram](#) (pop: 417,741)

France

- [Angers](#) - [Tramway d'Angers](#) (pop:147,305)
- [Grenoble](#) – [Tramway de Grenoble](#) (pop: 156,659)
- [Le Mans](#)^[31] – [Tramway du Mans](#) (pop: 148,169)
- [Lyon](#) – [Tramways in Lyon](#) (POP: 483,181)
- [Montpellier](#) – [Tramway de Montpellier](#) (pop: 255,080)
- [Mulhouse](#) – [Tramway de Mulhouse](#) (pop: 110,514 (as of 2006))
- [Orléans](#) – [Tramway d'Orléans](#) (pop: 153,490)
- [Reims](#) – [Tramway de Reims](#) (pop: 188,078)
- [Saint-Etienne](#) – [Tramway de Saint-Etienne](#) (pop:178,530 (as of 2001))
- [Strasbourg](#) – [Tramways in Strasbourg](#) (pop: 272,975 (as of 2006))
- [Valenciennes](#) – [Tramway de Valenciennes](#) (pop: 41,278, (as of 1999))

Germany

(German light rail:)

- [Baden-Baden](#), [Heilbronn](#), [Karlsruhe](#), [Pforzheim](#) (linked as *Stadtbahn Karlsruhe/Karlsruher Modell*) (POP: 54,461)
- [Bielefeld](#) – [Bielefeld Stadtbahn](#) (pop: 323,395)
- [Bochum](#), [Duisburg](#), [Düsseldorf](#), [Dortmund](#), [Essen](#), [Gelsenkirchen](#), [Herne](#), [Krefeld](#), [Mülheim an der Ruhr](#) (linked as *Stadtbahn Rhein-Ruhr*) – [Verkehrsverbund Rhein-Ruhr](#) (pop:373,976)
- [Bonn](#), [Cologne](#) (Köln), [Siegburg](#) (linked as *Stadtbahn Köln/Bonn*) – [Cologne Stadtbahn](#) (pop: 327,913)
- [Jena](#) (pop: 105,463)
- [Kassel](#) (pop: 196,526)
- [Karlsruhe](#) – [Karlsruhe Stadtbahn](#) (pop: 297,488)
- [Saarbrücken](#) (pop: 176,135)

(German tram)

- [Bad Schandau](#) – [Kirnitzschtalbahn](#) (pop: 4,009)
- [Bochum](#) (pop: 373,976)
- [Bonn](#) (pop: 327,913)
- [Braunschweig](#) – [Braunschweiger Verkehrs-AG](#) (pop: 250,556)
- [Darmstadt](#) (pop: 149,052)
- [Duisburg](#) (pop: 488,005)
- [Freiburg im Breisgau](#) – [Freiburger Verkehrs AG](#) (pop: 229,144)
- [Gelsenkirchen](#) (pop: 256,652)
- [Gotha](#) (pop: 45,564)
- [Halle](#) (pop: 233,705)
- [Herne](#) (pop: 164,244)
- [Kassel](#) (pop: 196,526)
- [Karlsruhe](#) (pop: 297,488)
- [Mainz](#) (pop: 200,957)
- [Mannheim](#) (pop: 314,931)
- [Mülheim an der Ruhr](#) (pop: 167,156)
- [Oberhausen](#) (pop: 212,568)
- [Plauen](#) (pop: 65,738)
- [Potsdam](#) (pop: 158,902)
- [Rostock](#) (pop: 204,260)
- [Schöneiche](#) (pop: 12,217)
- [Schwerin](#) (pop: 95,300)
- [Strausberg](#) (pop: 26,156)
- [Ulm](#) (pop: 123,672)
- [Würzburg](#) (pop: 133,808)
- [Zwickau](#) (pop: 93,128)

Hungary

- [Debrecen](#) – tram lines operated by [DKV](#) (pop: 208,016)
- [Miskolc](#) – tram lines operated by [MVK Rt.](#) (pop: 168,075)
- [Szeged](#) – tram lines operated by [SzKT](#) (pop: 170,285)

Italy

Light rail transit systems in Italy (July 2006)

- [Bergamo](#) (pop: 121,316)
- [Cagliari](#) (pop: 156,560)
- [Firenze](#) (pop: 370,702)
- [L'Aquila](#) (projected [Translohr](#)-type) (pop: 73,150)

- [Messina](#) (pop: 241,310)
- [Padova](#) ([Translohr](#)-type) (pop: 214,125)
- [Sassari](#) (pop: 130,656)
- [Trieste](#) – [Opicina Tramway](#) (pop: 205,374)
- [Venezia](#) ([Translohr](#)-type under construction) (pop: 270,660)

Latvia

- [Daugavpils](#) – [Daugavpils Tramway](#) (pop: 101,057)
- [Liepāja](#) – [Liepājas tramvajs](#) (pop: 82,386)

Norway

- [Bergen](#) – [Bergen's Electric Tramway](#) & [Bergen Light Rail](#), see also [Bergen Tramway](#) (pop: 267,100)

Poland

- [Bydgoszcz](#) - [city trams](#) (pop: 363,926)
- [Częstochowa](#) - [city trams](#) (pop: 240,027)
- [Elbląg](#) - [city trams](#) (pop: 127,055)
- [Gdańsk](#) - [city trams](#) (pop: 460 276)
- [Gorzów Wielkopolski](#) - [city trams](#) (pop: 125,149)
- [Grudziądz](#) - [city trams](#) (pop: 96,042)
- [Olsztyn](#) - (*projected*) (pop: 175,420)
- [Toruń](#) (pop: 205,934)

Portugal

Light rail

- [Costa da Caparica](#)–[Transpraia](#) (pop: 11,707(as of 2001))
- [Porto](#) – [Metro do Porto](#) and [STCP heritage tram system](#) (pop: 237,584)

Additional rail plans in course for

- [Coimbra](#) (pop: 237,584)
- [Braga](#) (pop: 175,063)
- [Faro](#) (pop: 64 560)

Romania

- [Arad](#) (pop: 147,992)
- [Botoșani](#) (pop: 100,899)
- [Brăila](#) (pop: 168,389)
- [Cluj-Napoca](#) – [RATUC](#) (pop: 309,136)
- [Craiova](#) (pop: 243,765)
- [Galati](#) (pop: 231,204)
- [Iași](#) – [RATP](#) (pop: 263,410)
- [Oradea](#) – [OTL](#) (pop: 206,231)
- [Reșita](#) (Pop: 86,383 (as of 2006))
- [Ploiești](#) (pop: 197,542)
- [Sibiu](#) (pop: 155,000)
- [Timișoara](#) (pop: 303,708)

Spain

- [Alicante](#) – [Alicante Tram](#) ([Ferrocarrils de la Generalitat Valenciana](#)) (pop: 334,329)

- [Bilbao](#) – [EuskoTran](#) (pop: 353,187)
- [Granada](#) (*under construction*) (pop: 237,929)
- [Jaén](#) (pop: 120,021) (tram stopped service within 2 weeks of opening)
- [Murcia](#) (pop: 442,573)
- [Parla](#) (A municipality of the [Madrid Metropolitan Area](#)) – [Tranvía de Parla](#) (pop: 120,182)
- [Santa Cruz de Tenerife](#) – [Tenerife Tram](#) (pop: 222,417)
- [Sóller](#) – [Puerto de Sóller](#) (pop: 14,000)
- [Vitoria-Gasteiz](#) (pop: 238,247)
- [Vélez-Málaga](#) (pop: 74,190)

Slovakia

- [Bratislava](#) (since 1895)
- [Košice](#) (pop: 240,688)
- [Poprad-Štrbské Pleso](#) ([Tatra Electric Railway](#)) (pop: 55,042)
- [Štrba-Štrbské Pleso](#) ([Štrbské Pleso – Štrba rack railway](#)) (pop: 3,640)
- [Trenčianska Teplá-Trenčianske Teplice](#) (pop: 4035)

Sweden

- [Lidingö](#) – [Lidingöbanan](#) (Pop: 31,561)
- [Malmö](#) – *heritage tramway* (pop: 303,873)
- [Norrköping](#) – [Norrköping tramway](#) (pop: 87,247)

Switzerland

- [Basel](#) (pop: 170,635)
- [Bern](#) (pop: 125,681)
- [Geneva](#) (pop: 192,385)
- [Lausanne](#) — [Lausanne Metro](#) (light rail) (pop: 129,383)
- [Zürich](#) (pop: 376,008)

Ukraine

- [Avdiivka](#) (pop: 37,237)
- [Chernivtsi](#) (pop: 240,600 (as of 2001))
- [Dniprodzerzhynsk](#) (pop: 252,100)
- [Druzhkivka](#) (pop: 64,557)
- [Horlivka](#) (pop: 289,872)
- [Konotop](#), the smallest town with a stand-alone tram (pop: 93,671)
- [Kostiantynivka](#) (pop: 94,886)
- [Kramatorsk](#) (pop: 173,700)
- [Makiivka](#) (pop: 389,589 (as of 2004))
- [Vinnytsia](#) (pop: 370,100)
- [Yenakiieve](#) (pop: 104,000)
- [Zhytomyr](#) (pop: 277,900)

UK

- [Blackpool](#) – [Blackpool tramway](#) (pop: 142,100)
- [Newcastle upon Tyne](#) – [Tyne and Wear Metro](#) (pop: 280,200)
- [Nottingham](#) – [Nottingham Express Transit](#) (Pop: 305,700)
- [Southport](#) - [Southport Pier Tramway](#) (pop: 90,336)

Proposed light rail system developments UK

- [Belfast](#) – future [EWAY](#), [WWAY](#), [CITI](#), [SupeRoute](#) (pop: 267,500)
- [Liverpool](#) - [Merseytram](#) (pop: 466,400)
- [Bishop's Stortford](#) - Bishop's Stortford Ultra Light Railway (pop: 34,826)
- [Southampton](#) & [Portsmouth](#) - Solent Metro in the Urban South [Hampshire](#) (pop: 239,700)
- [Preston](#) - Red Scar area tram (pop: 114,300)

North America

- [Cleveland, Ohio](#) – [RTA Blue and Green Lines](#) (pop: 393,806)
- [Morgantown, West Virginia](#) - [Morgantown Personal Rapid Transit](#) (pop: 30,293)
- [Newark, New Jersey](#) – [Newark Light Rail](#) (pop: 277,140)
- [Oceanside, California](#) – [SPRINTER](#) (pop: 183,095)
- [Sacramento, California](#) – [Sacramento Regional Transit Light Rail](#) (pop: 472,178)
- [St. Louis, Missouri](#) – [St. Louis MetroLink](#) (pop: 318,069)

Proposed light rail developments USA

- [Arlington, Virginia](#) – Columbia Pike Transit Alternative (pop: 332,969)
- [Atlanta, Georgia](#) – Atlanta Inner Core Transit Feasibility Study, [Atlanta Streetcar](#), [Belt Line](#) (pop: 416,474)
- [Bangor, Maine](#) – Bangor to Trenton Transportation Alternatives Study (pop: 31,473)
 - (To access the transport alternatives study for this area, go to:
<http://www.maine.gov/mdot/planningstudies/documents/pdf/bangor-trenton.pdf>)
- [Boise, Idaho](#) – Capital City Development Corp. (City of Boise)^[41] (pop: 212,983)
- [Charleston, South Carolina](#) – [Charleston Area Regional Transportation Authority](#) (pop: 120,083)
- [Corpus Christi, Texas](#) – Corpus Christi Regional Transportation Authority (pop: 305,215)
- [Grand Canyon, Arizona](#) – Grand Canyon Transit (pop: 1,987)
- [Huntsville, Alabama](#)^[44] (pop: 340,111)
- [Kansas City, Missouri](#) – [Heartland Light Rail System](#) (pop: 459,787)
- [Lansing, Michigan](#)^[45] (pop: 114,297)
- [Madison, Wisconsin](#) – Transport 2020 (pop: 233,209)
- [Miami, Florida](#) – Trafficrelief (People's Transportation Plan) (pop: 408,568)
- [Oakland, California](#) - [Oakland Streetcar Plan](#) (pop: 390,724)
- [Omaha, Nebraska](#) - [Omaha Modern-streetcar System](#) (pop: 408,958)
- [Pasadena, California](#) – Greater Pasadena Regional Trolley (pop: 137,122)
- [Richmond, Virginia](#) – GRTC Transit System (pop: 204,214)
- [Rochester, New York](#) – [Rochester Rail Transit Committee](#) (pop: 210,565)
- [St. Louis, Missouri](#) - [Delmar Loop Trolley](#) (pop: 318,069)
- [Salt Lake City, Utah](#) – [Sugar House Streetcar](#) (pop: 186,440)
- [San Bernardino, California](#) – San Bernardino-Redlands light rail (pop: 209,924)
- [Spokane, Washington](#) – [Spokane Regional Light Rail](#) (pop: 208,916)
- [Tampa, Florida](#) – Hillsborough Area Regional Transit Authority (HART) (pop: 335,709)
- [Tempe, Arizona](#) - Modern-streetcar line^[49] (pop: 161,719)

Australia

- Canberra (pop 367,000). In light of recent elections, it is now expected that the A.C. T. Government will proceed with a \$600m plan for light rail from the city to its northern suburbs.

Yours sincerely,



Anna Reynolds

Greens Candidate for the Federal Seat of Denison



Dr. Bob Brown

Bob Brown Foundation